

SURVIVABILITY - SUSTAINABILITY - MOBILITY SCIENCE AND TECHNOLOGY SOLDIER SYSTEM INTEGRATION



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DISMOUNTED INFANTRY MOVEMENT RATE STUDY

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13. ABSTRACT (Maximum 200 words)

This report presents results from a study to determine sustainable movement rates for dismounted infantry under a variety of meteorological and terrain conditions. Heat stress was the only movement rate limiting factor considere in this study. A two-step approach was used: first, the maximum sustainable metabolic rate for each meteorological condition was determined; second, the maximum sustainable speed was determined for each terrain condition. Sustainable metabolic rates were obtained using the heat stress model from the Integrated Unit Simulation System (IUSS). Sustainable speeds were obtained by iteratively solving the Pandolf, Givoni, and Goldman energy expenditure equation for speed given metabolic rate, load and terrain condition. The report includes a table of maximum sustainable speeds over all meteorological and terrain conditions considered.

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Preface

This effort was sponsored under the US Army Soldier System Modeling Science and Technology Objective (SSM STO) project managed by the US Army Natick Research, Development and Engineering Center, Natick, Massachusetts, in response to a data request received from the US Army Training and Doctrine Command (TRADOC) Analysis Center - White Sands Missile Range (TRAC-WSMR).

The simulation and analyses were performed by Mr. Theodore Hayes, Simulation Technologies, Inc.

The Project Officer for this effort was John A. O'Keefe IV, Operations Research Analyst, Modeling and Simulation Branch, Advanced Concepts Division, Advanced Systems Concepts Directorate, U.S. Army Soldier Systems Command.

Dismounted Infantry Movement Rate Study

1 Purpose

The purpose of this study was to determine sustainable movement rates for dismounted infantry under a variety of terrain and meteorological conditions. The objective was to generate a table that can be used to look-up the maximum sustainable movement rate (i.e., speed) for a given meteorological condition and terrain characteristic. Only one load and uniform configuration for the soldier was considered in this study.

This study was performed at the request of the U.S. Army Training and Doctrine Command (TRADOC) Analysis Command, White Sands Missile Range. A copy of the letter requesting the study is contained in Appendix A.

2 Approach

The only factor considered in this study as a limit to the movement speed of a soldier was heat stress. Therefore, the objective was to determine (for each set of meteorological and terrain conditions) the maximum speed a soldier could walk (or march, or run) for a sustained period without causing the soldier to become a heat casualty (i.e., rendering the soldier incapable of continuing activity without an extended rest and recovering period).

The heat stress encountered by a soldier is a function of three basic factors: the soldier's workload, the meteorological conditions, and the thermal and moisture permeability characteristics of the clothing and equipment worn.

A soldier's workload can be measured as total metabolic rate (in watts) and as the amount of external work performed (also in watts). These factors, in turn, are a function of the following: the soldier's weight, the weight and distribution of the load carried by the soldier, the walking speed of the soldier, the type of terrain, and the grade of the terrain.

A two step approach was taken in this study to meet the objectives. First, given the one soldier load and uniform configuration, the maximum sustainable metabolic rates were determined for a given set of meteorological conditions. Second, the maximum sustainable speeds were determined for a given set of terrain characteristics based on the maximum sustainable metabolic rates developed in the first step.

2.1 Range of Conditions Considered

Each soldier in this study was assumed to be: 70 kilograms (kg) in weight, 1.7 meters (m) tall, and 23 years of age.

Each soldier was assumed to be wearing or carrying the following: Personnel Armor System for Ground Troops (PASGT) Helmet, PASGT Vest, Load Bearing Equipment (LBE), M16A1, 120 rounds 5.56 millimeter (mm), 1 canteen of water, 2 fragmentation grenades, first aid pouch, bayonet, 2 ammo pouches, and the Battle Dress Uniform (BDU). Total load was calculated as approximately 20 kg. Thermal insulation factor (clo) was assumed to be 0.7, and the moisture permeability index (im) was assumed to be 0.476.

The meteorological conditions considered consisted of three basic factors: ambient temperature, relative humidity, and cloud cover (i.e., solar load). Ambient temperature ranges considered were 5 to 35°C in 5°C steps (41°F to 91°F). Relative humidity values considered were 5, 25, 50, 75, and 95%. Four cloud cover conditions were considered: Night, Cloudy, Party Cloudy, and Clear Sky. Cloud cover effects the "solar load" on the soldier. This factor is considered in the model as the mean radiant temperature. Based on information provided by U. S. Army Research Institute of Environmental Medicine (USARIEM) (Matthew 1994), mean radiant temperature was calculated by adding a value for each cloud cover condition to the ambient temperature. Values used for this study were: Night @ 5°C, Cloudy @ 17.5°C, Partly Cloudy @ 35°C, and Clear Sky @ 45°C.

The terrain characteristics considered in this study were type and grade. The three types of terrain considered were: Black Top Road, Dirt Road, and Loose Sand. Terrain grades from -50% to +50% were considered (note: +1% grade = 1 meter increase in elevation for each 100 meters traveled horizontally). Between -20% and +20% steps of 5% were used, otherwise steps of 10% were used.

2.2 Maximum Sustainable Metabolic Rates

Maximum sustainable metabolic rates were determined by multiple runs of the Heat Stress Model from the Integrated Unit Simulation System (IUSS). This heat model is an implementation of a model developed for USARIEM (Kraning 1991) and has been verified by the original author (Kraning 1994). A standalone version of the IUSS heat model was used for this study. (Note: the stand-alone version uses the same heat model "C++ objects" used by the IUSS, but operates with just a single soldier under a directly controllable set of conditions).

For each set of meteorological conditions, the model was run with total metabolic rates ranging from 100 to 1000 watts at steps of 50 watts (note: for purposes of this phase of the study, it was assumed that the amount of external work performed by the soldier was 10% of the total metabolic rate, and that the wind speed was 2.5 meters per second (m/s)). Each case was run for up to four simulated hours with constant conditions (i.e., static metabolic and external work rates, and static meteorological conditions). The final core temperature at the end of the four hour period was the primary measure evaluated (note: if the final core temperature exceeded 39.0 °C before the end of the four hour period, the simulation was stopped at that point).

Based on the runs, the maximum metabolic rate which could be sustained without causing the soldier's final core temperature to exceed each of a target set of temperatures was determined. The target core temperatures used were: 37.5, 37.75, 38.0, 38.25, 38.5, 38.75, and 39.0°C.

2.3 Maximum Sustainable Speed

Maximum sustainable speed for each set of meteorological and terrain conditions was determined by computing the speed which produced the maximum sustainable metabolic rate (for a given target core temperature). The equation used to calculate metabolic rate as a function of the soldier's weight, load, speed, terrain type, and terrain grade, was taken

from (Pandolf 1977). The original Pandolf equation does not consider negative grades (i.e., walking downhill). Based on discussions with Bill Matthew, USARIEM, and a cursory review of (Kamon 1970), (Davies 1973) and (Pimental 1979), the Pandolf equation was modified to reflect a different metabolic rate and external work performed rate when the soldier is walking downhill. In the revised equation, if the grade is negative, the metabolic cost of walking down an incline is computed as 20% of the metabolic cost of walking up the incline. Likewise the external work performed is computed as 20% of the work performed walking up the incline. All other components (i.e., the metabolic cost of standing, standing with a load, and walking on level ground) remain the same.

Since the Pandolf equation is not directly solvable for speed, an incremental approach was used to determine the speed which produced the target maximum metabolic rate. The speed was started at 0.0 m/s and incremented by 0.05 m/s until the computed metabolic rate exceeded the target maximum. Maximum speed considered was 2.5 m/s. The last speed to produce a metabolic rate less than or equal to the target maximum was considered the maximum sustainable speed.

Terrain factors applied in the (Pandolf 1977) equation for Black Top, Dirt Road, and Loose Sand were 1.0, 1.1, and 2.1 respectively.

3 Results

3.1 Step 1, Maximum Sustainable Metabolic Rates

Selected plots of results from the first step of this study are shown in Figure B-1 through Figure B-6. These charts show the maximum sustainable metabolic rate as a function of ambient temperature for selected relative humidity and cloud cover conditions for each of the target final core temperatures. As one would expect, the higher the ambient temperature, the lower the maximum sustainable metabolic rate. This holds for all target temperatures except 37.5°C; in this case, the sweating and shivering components in the IUSS heat model caused the core temperature to rise above 37.5°C.

The data in Figure B-1 through Figure B-6 also show that the difference in maximum sustainable metabolic rates among the higher target core temperatures (38.25°C and above) is relatively small across the range of ambient temperature. This indicates that for these conditions a small increase in metabolic rate can significantly increase the heat stress. At lower target core temperatures (below 38.25°C), the data show that much greater changes in metabolic rates do not increase the heat stress significantly.

The IUSS Heat Stress Model uses the core temperature to degrade the performance of the soldier using the following scale:

< 37.5°C @ no degradation, 37.5 to 38.0°C @ 10% degradation, 38.0 to 38.5°C @ 25% degradation, 38.5 to 39.0°C @ 50% degradation, and, > 39.0°C @ 100% or complete degradation.

This scale and the observed sensitivity of final core temperature to metabolic rate were used to select three target final core temperatures to represent low, moderate, and high risk levels for heat stress. The low risk level was selected as 37.75°C, the moderate risk level was selected as 38.0°C, and the high risk level was selected as 38.75°C.

3.2 Step 2, Maximum Sustainable Speeds

The tables in Appendix D through Appendix G show the entire set of results from the second step of this study. These tables present the maximum sustainable speed data at each risk level (low, moderate and high) in meters per second (m/s), kilometers per hour (kph), and miles per hour (mph). The following paragraphs will discuss the sensitivities observed in the data when analyzed from various perspectives.

Selected plots of maximum sustainable speed at given risk levels across the range of ambient temperatures are shown in Figure C-1 through C-3. These data show that the range between low and high risk is larger at lower temperatures but narrows at the higher temperatures. In all the remaining plots, the maximum sustainable speed is only shown for the moderate risk level.

C-4 shows a plot of the maximum sustainable speed at given cloud cover conditions. These data show that the maximum sustainable speed is relatively insensitive to cloud cover at ambient temperatures below 30°C, but somewhat sensitive above that temperature.

C-5 and C-6 show plots of maximum sustainable speed given relative humidity across the range of ambient temperatures. These data indicate that maximum sustainable speed is relatively insensitive to relative humidity below 20°C, somewhat sensitive between 20 and 25°C, and very sensitive above 25°C.

C-7 through C-24 show plots of maximum sustainable speed given positive terrain grade across the range of ambient temperatures for selected cloud cover, relative humidity, and terrain type combinations. These data show that maximum sustainable speed is very sensitivity to terrain grade. The greatest sensitivity is between 0 and 15% grades. At grades steeper than 15%, the maximum sustainable speed is less sensitive to grade, but the sustainable speeds are slow (< 1 m/s).

C-25 through C-34 show plots of maximum sustainable speed give terrain type across the range of terrain grades for selected meteorological conditions. These plots confirm the sensitivity to positive grades discussed above. As should be expected, the sensitivity to negative grades is less pronounced. These data show that there is little difference between Black Top and Dirt Road, but a significant difference when walking in Loose Sand.

4 Limitations

The data generated in this study can be used to estimate the maximum sustainable movement rate for dismounted infantry over a wide range of meteorological conditions and terrain characteristics. However, there are certain limitations which must be understood when trying to apply these data. Additional research is required to explore the impact of each of the limitations discussed below.

4.1 Performance Degradation as a Function of Time

This study considered only the core temperature as a measure of the soldiers performance degradation which, in turn, was used to determine the limit of movement speed. Other factors, such as heart rate and fatigue, should also be considered in the measure of performance degradation. Unfortunately, no methodology for including these factors was available. It is also true that as a soldier's performance degrades over time, the efficiency of work performed decreases. This requires higher metabolic expenditure rates to achieve the same work (e.g., walking speed). This dynamic workload, as a function performance degradation, was not considered in this study.

4.2 Single Load and Uniform Configuration

This study only considered a single uniform and load configuration. No cases to test the sensitivity of the results to variant loads and thermal and moisture permeability factors were made. Therefore, no attempt should be made to extrapolate the data presented to other load or uniform configurations.

4.3 Temperature Extremes

The only factor considered in this study as a limit to movement rate was heat stress. At lower temperatures (e.g., below 15°C or 59°F) it is possible that other factors, for example, fatigue or equipment encumbrance, may prove more limiting to sustainable movement rate than heat stress. At high temperatures (e.g., above 30°C or 82.5°F) the heat stress factor appears to be overwhelming, and the data indicate that no movement can be sustained. This may, or may not, be the case since no consideration of rest cycles was considered in the study.

4.4 Single Constant Wind Velocity

This study only considered a single constant wind velocity of 2.5 m/s. Evaporative water heat transfer and thermal heat transfer are directly related to wind velocity, but are diminished by increases in relative humidity. Therefore, significant error in maximum sustainable metabolic rate may occur if the wind velocity varies significantly.

4.5 Sustained Movement versus Move then Rest

This study used static (i.e., sustained) workloads to determine maximum sustainable movement rates. Therefore, the rates presented represent those that the model shows can be sustained continuously (or at least for four hours). It is possible that other movement

schemes could result in higher aggregate sustainable movement rates than a constant speed movement scheme. Such schemes could employ a move then stop to rest cycle (i.e., work/rest cycle), or even a rapid movement followed by slow movement cycle, or more complex combinations. No cases considering alternate movement schemes were considered in this study.

4.6 Workloads on Steep Terrain Grades

The use of the (Pandolf 1977) equation at terrain grades above 15% has not been validated, nor has the modified equation for negative grades been validated. Therefore, the maximum sustainable speed data for the higher grades and negative grades should be used with caution.

This study did not look at movement on (up or down) terrain grades greater than 50% (or 30°). At such steep grades a soldier is climbing more than walking. The limited nature of this study prohibited an exhaustive search for methods to determine soldier workloads on such steep terrain.

List of References

- 1. Kraning, K. K. A computer Simulation for Predicting the Time Course of Thermal and Cardiovascular Responses to Various Combinations of Heat Stress, Clothing and Exercise. Technical Report T13-91, U.S. Army Research Institute of Environmental Medicine, Natick MA, June 1991.
- 2. Kraning, K. K. Memo: Verification of IUSS Heat Strain Model. Informal Progress Report to U.S. Army Research Institute of Environmental Medicine, Natick MA, Soldier Performance Database and Modeling Psychological and Physiological Effects of Military Environments and Operations, 24 March 1994.
- 3. Matthew, W. "Proposed scheduled for relating mean radiant temperature elevations to solar load inputs", FAX Communications, U.S. Army Research Institute of Environmental Medicine, Natick MA, March 1994.
- 4. Pandolf, K. B., B. Givoni, R. F. Goldman. Predicting energy expenditure with loads while standing or walking very slowly. Journal of Applied Physiology 43(4): 577-581, 1977.
- 5. Kamon, E. Negative and positive work in climbing a laddermill. Journal of Applied Physiology 29(1):1-5, July 1970
- 6. Davies, C. T. M., A. J. Sargeant, B. Smith. The Physiological Responses to Running Downhill. European Journal of Applied Physiology 32: 187-194, 1974.
- 7. Pimental, N. A., K. B. Pandolf. Energy expenditure while standing or walking slowly uphill or downhill with loads. Ergonomics, 22(8): 963-973, 1979.

Appendixes

Appendix A

TRADOC Request Letter



DEPARTMENT OF THE ARMY US ARMY TRADOC ANALYSIS COMMAND WHITE SANDS MISSILE RANGE, MEN MEDICO 180005-55002

17 March 1994

MEMORANDUM FOR Technical Director, US Army Natick Research,

Development and Engineering Caster

(Dr. Lewis), Natick, MA 01750-5015

SUBJECT: Dismounted Infantry Movement Reces

- 1. Request by 8 Apr 94 cross-country diamounted infantry movement rates for inclusion into CASTFOREM to support the Land Warrior COEA
- 2. This is in reference to a telephone conversation with Mr. John O'Keefe concerning the subject above. Mr. O'Keefe stated that IUSS could provide these rates given the parameters.
- 3. Request that Natick provide these movement rates (in meters/seconds) with the following minimum parameters/conditions:
- a. Soldier's load will be combat load (i.e., LRF, PASGT halmet and vest, M16A2, 120 rounds 5.56 mm ammo, 2 canteens of water, 2 FRAG hand granades, bayonet, BDU and no rucksack or chemical overgarment).
- b. Use different slopes from 0-60 degrees in 5 degree increments. These we will refine/group into a smaller set for use by CASTFOREM.
- c. The CASTFOREM model uses 3 different seil types grouped into "GOOD, FAIR, and POOR". These cross-country types are not tied to road surfaces.
 - d. Use ascending and descending slopes (if different).
 - e. Use both DAY and NIGHT conditions.
- 4. POC for this request is CPT Chris Corbitt, DSN 258-5170.

FOR THE DIRECTOR:

STEPHEN J. POWELL, MAJ, IN

Senior Military Analyst

Appendix B

Maximum Sustainable Metabolic Rate Figures

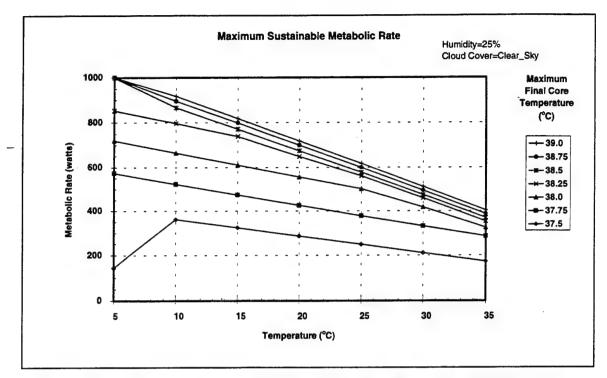


Figure B-1. Maximum Sustainable Metabolic Rate, Clear Sky, 25% Humidity.

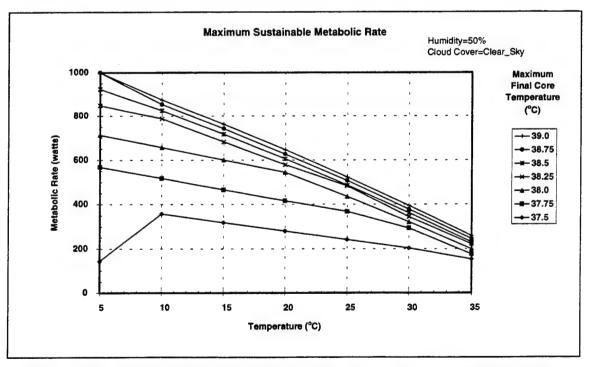


Figure B-2. Maximum Sustainable Metabolic Rate, Clear Sky, 50% Humidity.

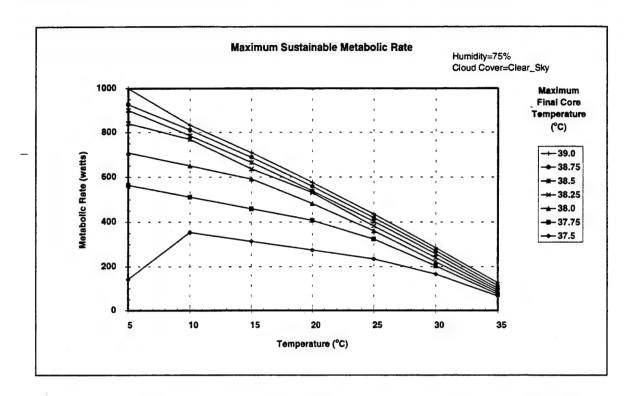


Figure B-3. Maximum Sustainable Metabolic Rate, Clear Sky, 75% Humidity.

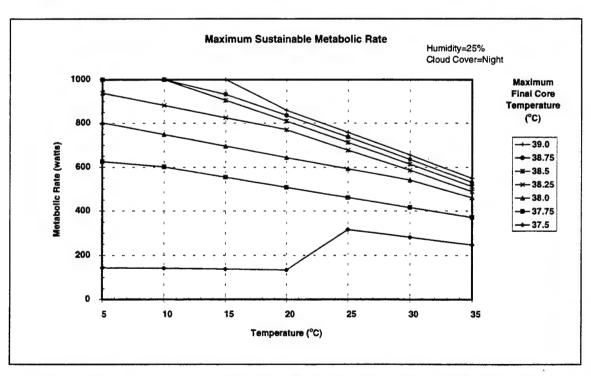


Figure B-4. Maximum Sustainable Metabolic Rate, Night, 25% Humidity.

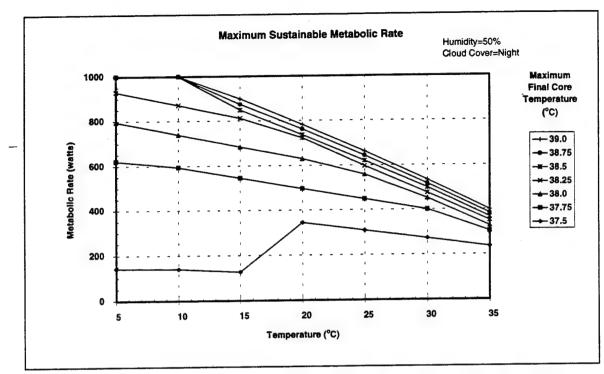


Figure B-5. Maximum Sustainable Metabolic Rate, Night, 50% Humidity.

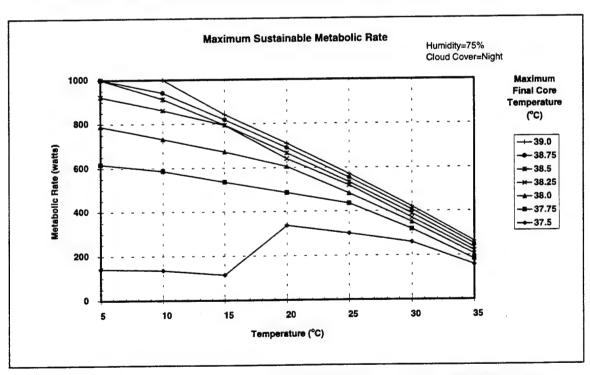


Figure B-6. Maximum Sustainable Metabolic Rate, Night, 75% Humidity.

Appendix C

Maximum Sustainable Speed Figures

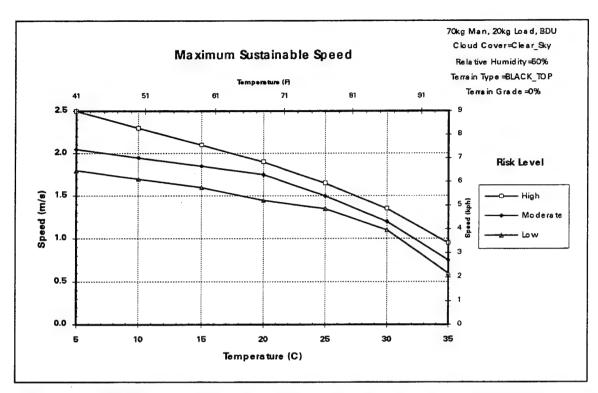


Figure C-1. Maximum Sustainable Speed By Temperature Given Risk, Black Top, 0% Grade, Clear Sky, 50% Relative Humidity.

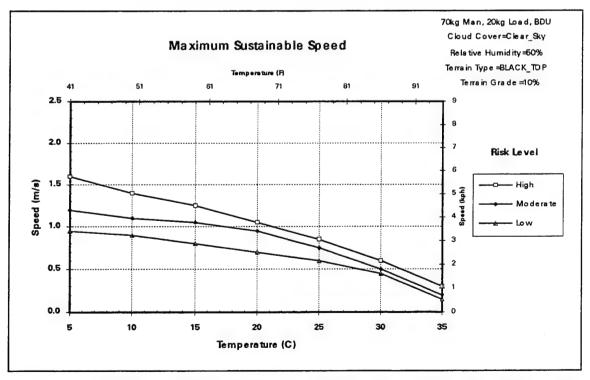


Figure C-2. Maximum Sustainable Speed By Temperature Given Risk, Black Top, 10% Grade, Clear Sky, 50% Relative Humidity.

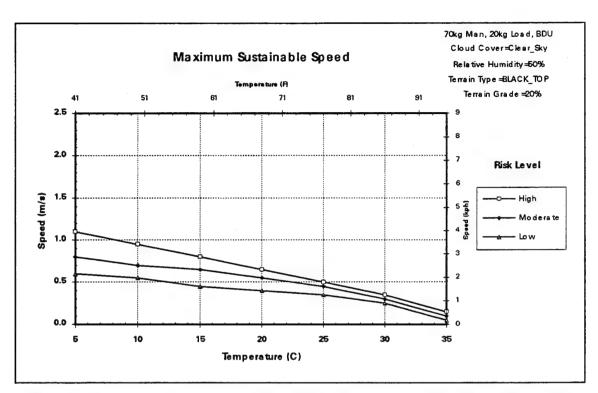


Figure C-3. Maximum Sustainable Speed By Temperature Given Risk, Black Top, 20% Grade, Clear Sky, 50% Relative Humidity.

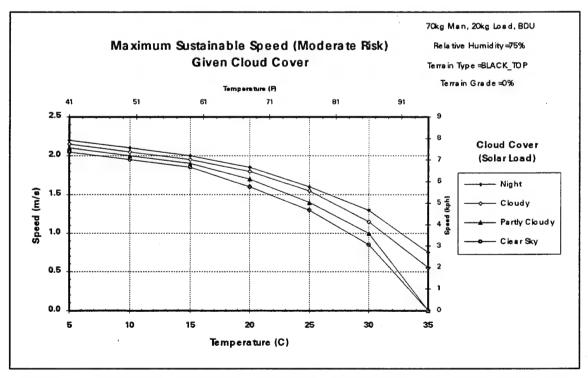


Figure C-4. Maximum Sustainable Speed By Temperature Given Risk, Black Top, 0% Grade, Clear Sky, 75% Relative Humidity.

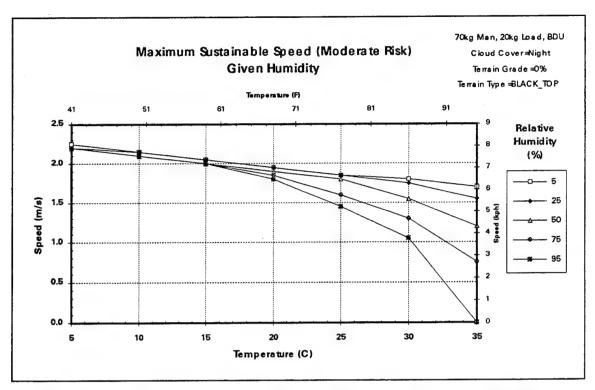


Figure C-5. Maximum Sustainable Speed By Temperature Given Relative Humidity, Black Top, 0% Grade, Night.

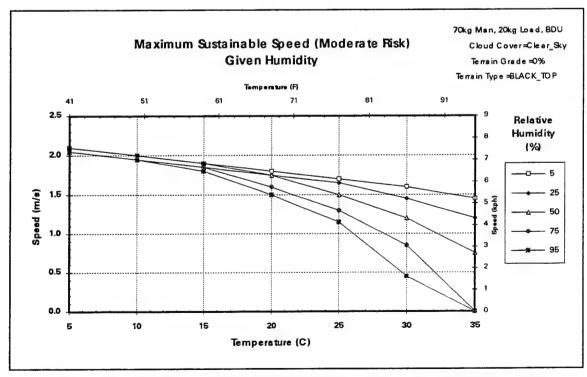


Figure C-6. Maximum Sustainable Speed By Temperature Given Relative Humidity, Black Top, 0% Grade, Clear Sky.

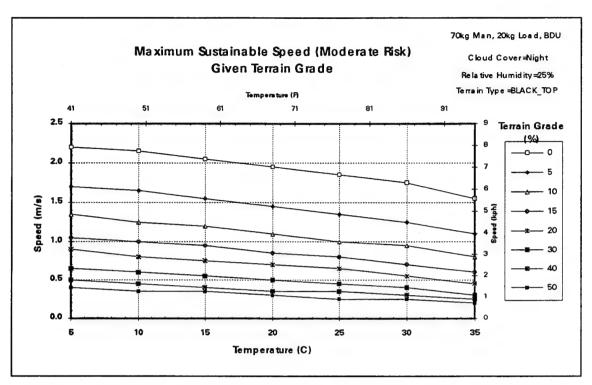


Figure C-7. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Black Top, Night, 25% Relative Humidity.

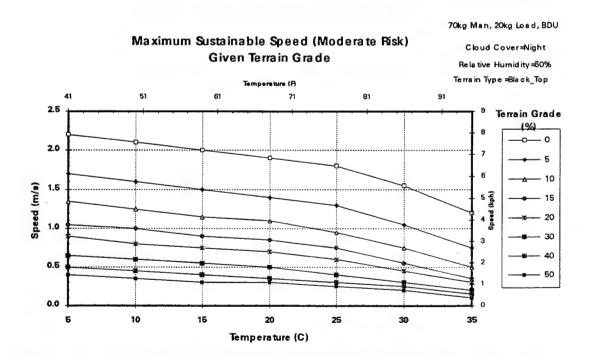


Figure C-8. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Black Top, Night, 50% Relative Humidity.

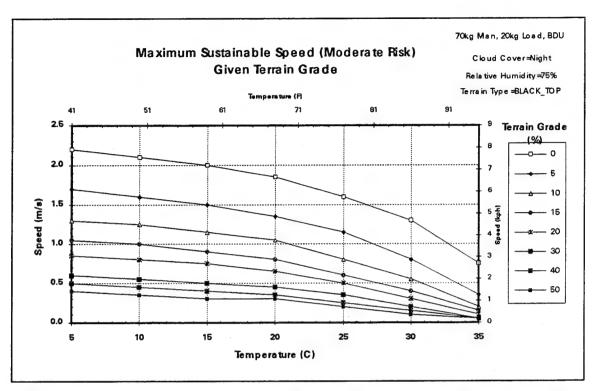


Figure C-9. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Black Top, Night, 75% Relative Humidity.

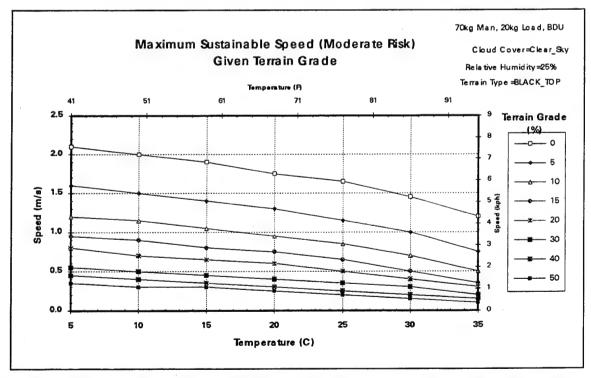


Figure C-10. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Black Top, Clear Sky, 25% Relative Humidity.

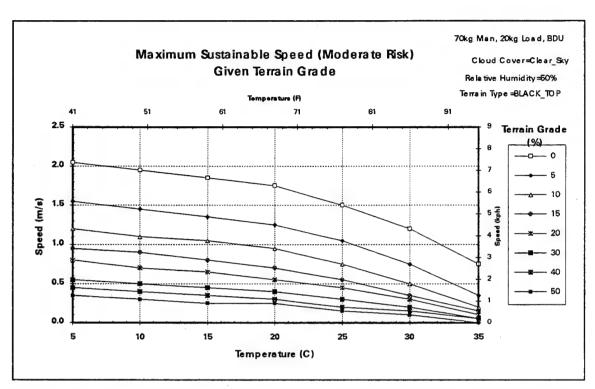


Figure C-11. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Black Top, Clear Sky, 50% Relative Humidity.

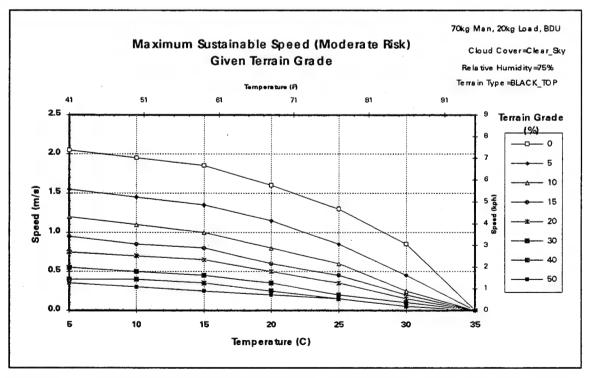


Figure C-12. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Black Top, Clear Sky, 75% Relative Humidity.

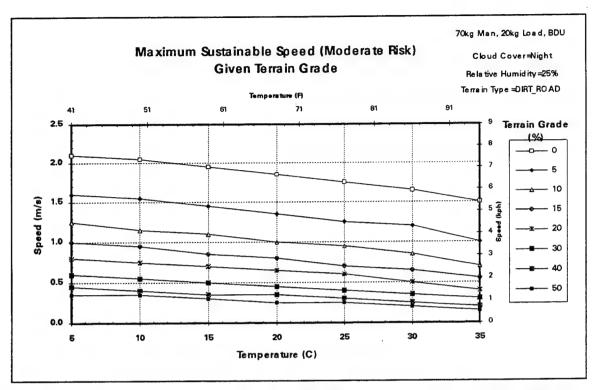


Figure C-13. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Dirt Road, Night, 25% Relative Humidity.

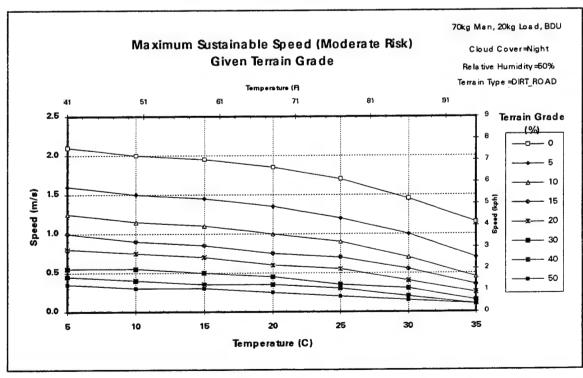


Figure C-14. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Dirt Road, Night, 50% Relative Humidity.

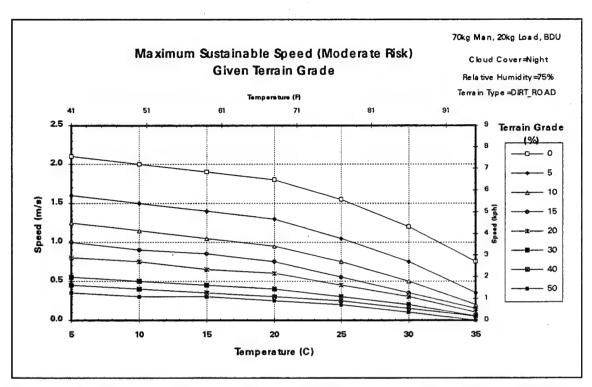


Figure C-15. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Dirt Road, Night, 75% Relative Humidity.

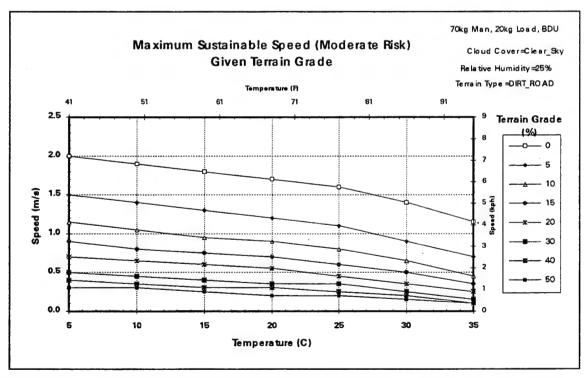


Figure C-16. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Dirt Road, Clear Sky, 25% Relative Humidity.

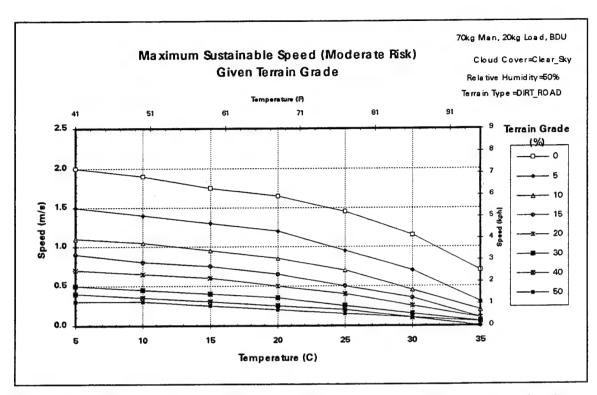


Figure C-17 Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Dirt Road, Clear Sky, 50% Relative Humidity.

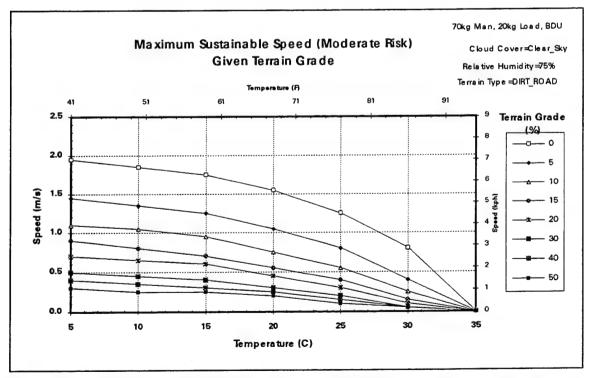


Figure C-18. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Dirt Road, Clear Sky, 75% Relative Humidity.

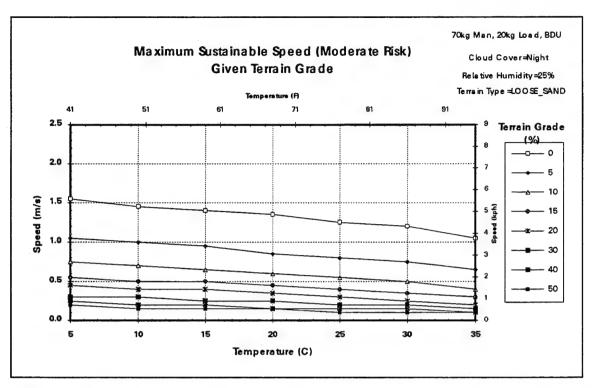


Figure C-19. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Loose Sand, Night, 25% Relative Humidity

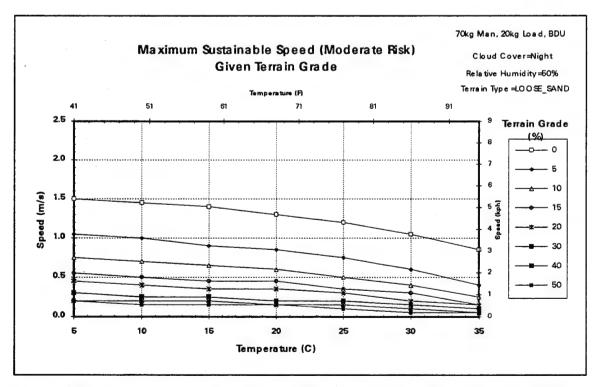


Figure C-20. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Loose Sand, Night, 50% Relative Humidity.

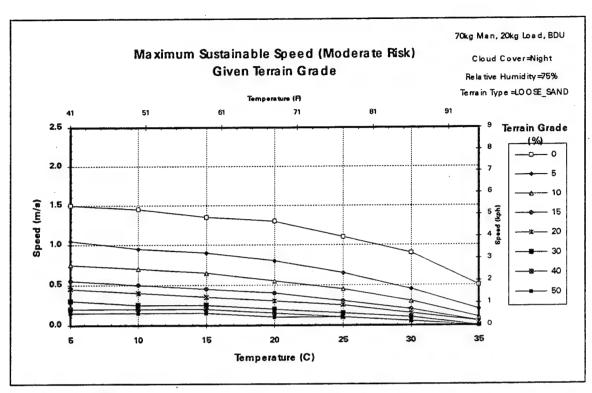


Figure C-21. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Loose Sand, Night, 75% Relative Humidity.

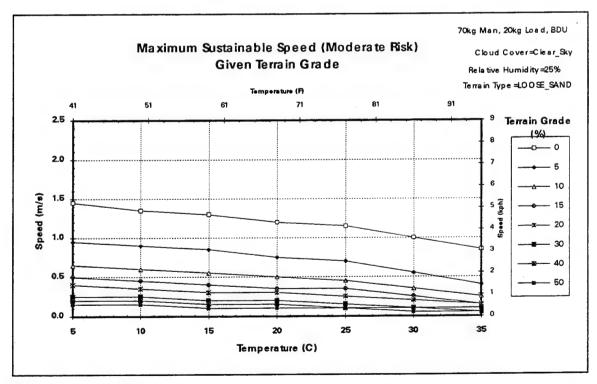


Figure C-22. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Loose Sand, Clear Sky, 25% Relative Humidity.

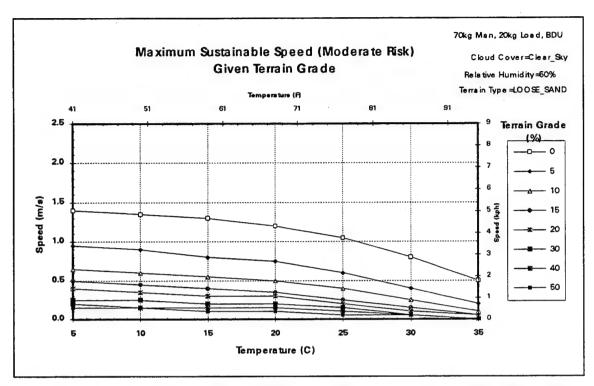


Figure C-23. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Loose Sand, Clear Sky, 50% Relative Humidity.

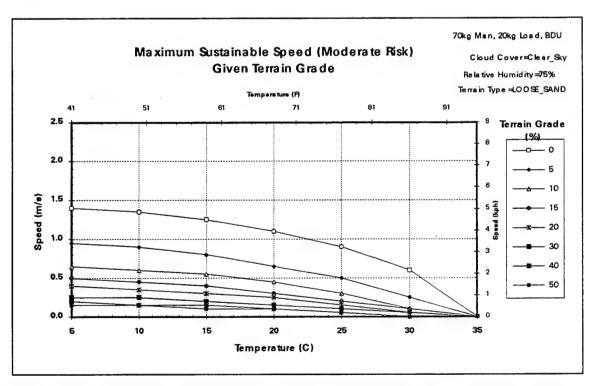


Figure C-24. Maximum Sustainable Speed By Temperature Given Terrain Grade, Moderate Risk, Loose Sand, Clear Sky, 75% Relative Humidity.

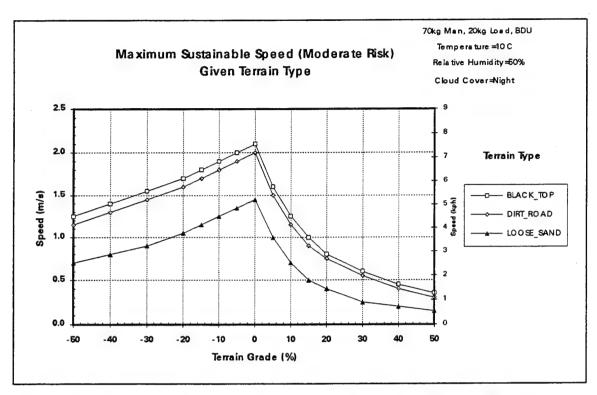


Figure C-25. Maximum Sustainable Speed By Terrain Grade Given Type, 10 °C, 50% Relative Humidity, Night.

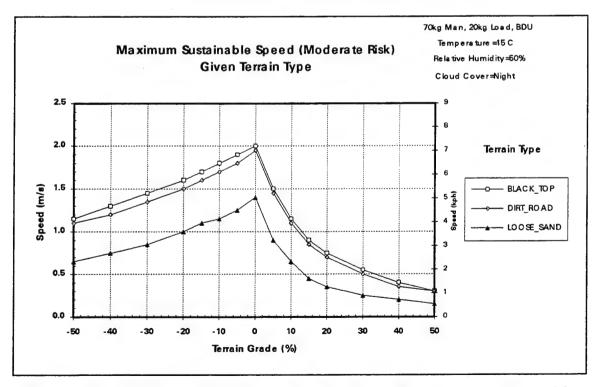


Figure C-26. Maximum Sustainable Speed By Terrain Grade Given Type, 15 °C, 50% Relative Humidity, Night.

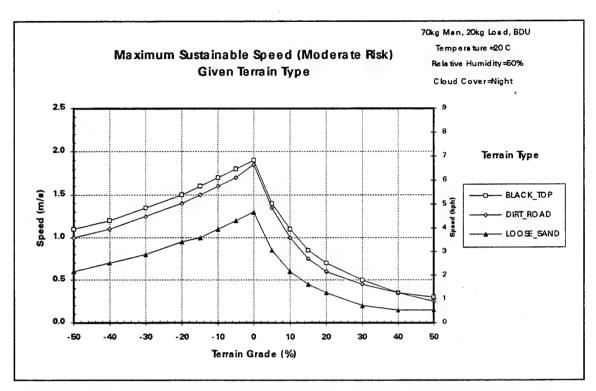


Figure C-27. Maximum Sustainable Speed By Terrain Grade Given Type, 20 °C, 50% Relative Humidity, Night.

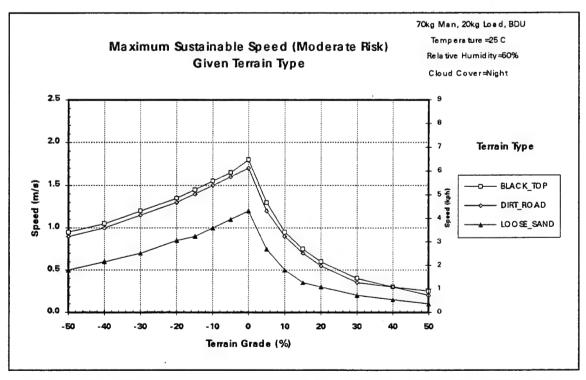


Figure C-28. Maximum Sustainable Speed By Terrain Grade Given Type, 25 °C, 50% Relative Humidity, Night

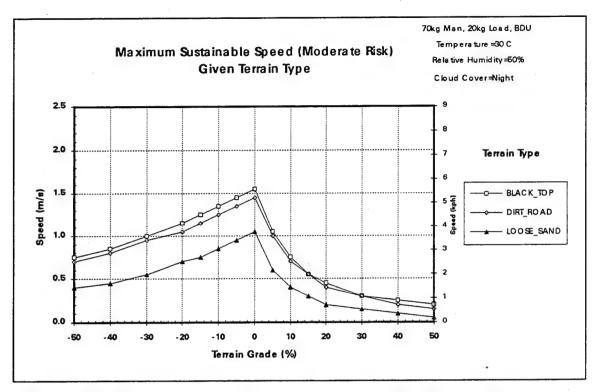


Figure C-29. Maximum Sustainable Speed By Terrain Grade Given Type, 30 °C, 50% Relative Humidity, Night.

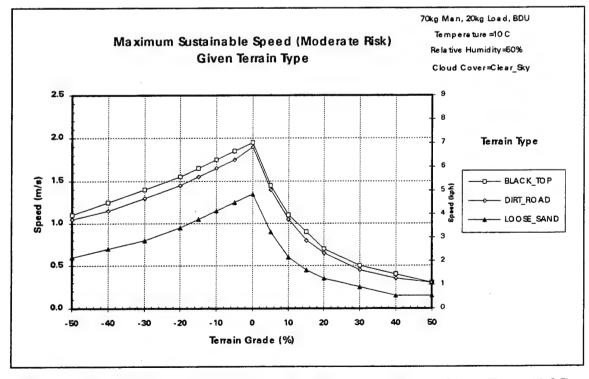


Figure C-30. Maximum Sustainable Speed By Terrain Grade Given Type, 10 °C, 50% Relative Humidity, Clear Sky.

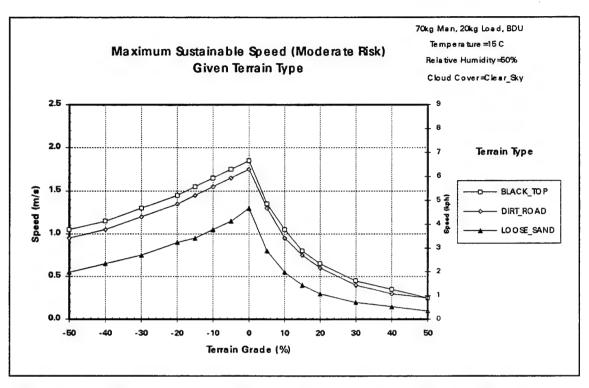


Figure C-31. Maximum Sustainable Speed By Terrain Grade Given Type, 15 °C, 50% Relative Humidity, Clear Sky.

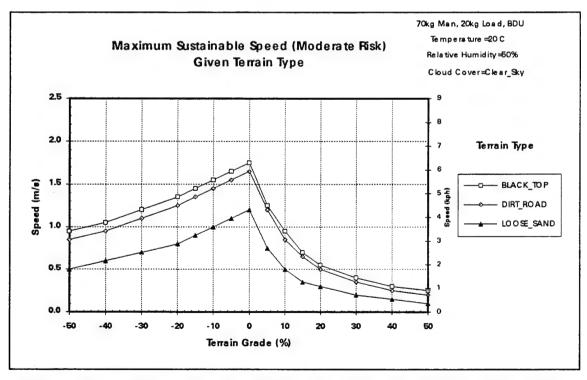


Figure C-32. Maximum Sustainable Speed By Terrain Grade Given Type, 20 °C, 50% Relative Humidity, Clear Sky.

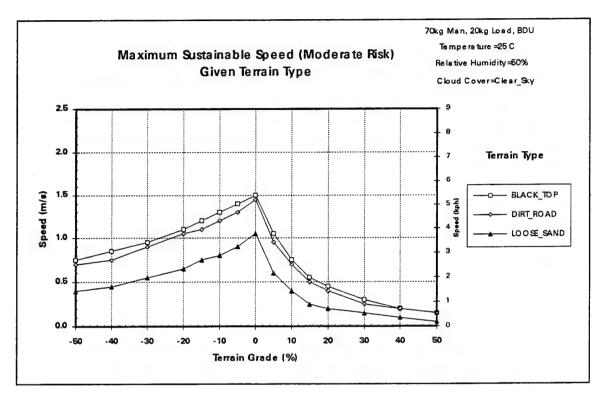


Figure C-33. Maximum Sustainable Speed By Terrain Grade Given Type, 25 °C, 50% Relative Humidity, Clear Sky.

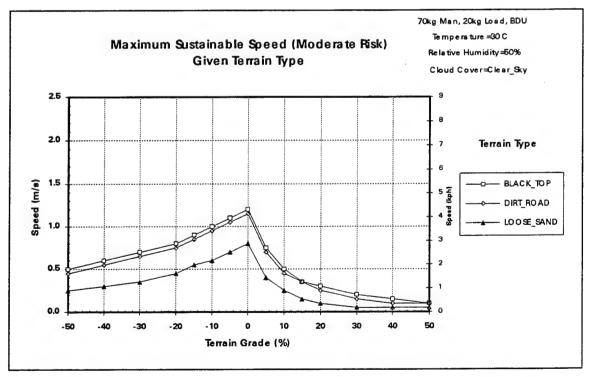


Figure C-34. Maximum Sustainable Speed By Terrain Grade Given Type, 30 °C, 50% Relative Humidity, Clear Sky.

Appendix D

Maximum Sustainable Speed Tables, Clear Sky

Table D-1. Maximum Sustainable Speed, Clear Sky, 5% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		ustainab eters/se	le Speed cond)	1	ustainabl ometers/	e Speed hour)		stainabl	
							Risk Le	vel		Risk Lev	el		Risk Lev	
					,	Low	Mod	High	Low	Mod	High	Low	Mod	High
Ctear_Sky	5	5	41	BLACK_TOP	-50	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Clear_Sky	5	5	41	BLACK_TOP	-40	1.10	1.35	1.75	4.0	4.9	6.3	2.5	3.0	3.9
Clear_Sky	5	5	41	BLACK_TOP	-30	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Clear_Sky	5	5	41	BLACK_TOP	-20	1.40	1.70	2.10	5.0	6.1	7.6	3.1	3.8	4.7
Clear_Sky	5	5	41	BLACK_TOP	-15	1.50	1.75	2.20	5.4	6.3	7.9	3.4	3.9	4.9
Clear_Sky	5	5	41	BLACK_TOP	-10	1.60	1.85	2.30	5.8	6.7	8.3	3.6	4.1	5.2
Clear_Sky	5	5	41	BLACK_TOP	-5	1.70	2.00	2.40	6.1	7.2	8.6	3.8	4.5	5.4
Clear_Sky	5	5	41	BLACK_TOP	0	1.80	2.10	2.50	6.5	7.6	9.0	4.0	4.7	5.6
Clear_Sky	5	5	41	BLACK_TOP	5	1.30	1.60	2.00	4.7	5.8	7.2	2.9	3.6	4.5
Clear_Sky	5	5	41	BLACK_TOP	10	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Clear_Sky	5	5	41	BLACK_TOP	15	0.75	0.95	1.30	2.7	3.4	4.7	1.7	2.1	2.9
Clear_Sky	5	5	41	BLACK_TOP	20	0.60	0.80	1.10	2.2	2.9	4.0	1.3	1.8	2.5
Clear_Sky	5	5	41	BLACK_TOP	30	0.45	0.55	0.80	1.6	2.0	2.9	1.0	1.2	1.8
Clear_Sky	5	5	41	BLACK_TOP	40	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Clear_Sky	5	5	41	BLACK_TOP	50	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Clear_Sky	5	5	41	DIRT_ROAD	-50	0.90	1.15	1.50	3.2	4.1	5.4	2.0	2.6	3.4
Clear_Sky	5	5	41	DIRT_ROAD	-40	1.05	1.25	1.65	3.8	4.5	5.9	2.4	2.8	3.7
Clear_Sky	5	5	41	DIRT_ROAD	-30	1.15	1.40	1.80	4.1	5.0	6.5	2.4	3.1	
Clear_Sky	5	5	41	DIRT_ROAD	-20	1.30	1.60	2.00	4.7	5.8	7.2			4.0
Clear_Sky	5	5	41	DIRT_ROAD	-15	1.40	1.65	2.10	5.0	5.9	7.6	2.9	3.6	4.5
Clear_Sky	5	5	41	DIRT_ROAD	-10	1.50	1.75	2.20	5.4	6.3	7.6	3.1 3.4	3.7	4.7
Clear_Sky	5	5	41	DIRT_ROAD	-5	1.60	1.90	2.30	5.8	6.8	8.3		3.9	4.9
Clear_Sky	5	5	41	DIRT_ROAD	0	1.75	2.00	2.40	6.3	7.2	8.6	3.6	4.3	5.2
Clear_Sky	5	5	41	DIRT_ROAD	5	1.25	1.50	1.90	4.5	7.2 5.4		3.9	4.5	5.4
Clear_Sky	5	5	41	DIRT_ROAD	10	0.90	1.15	1.50	4.5 3.2	5.4 4.1	6.8	2.8	3.4	4.3
Clear_Sky	5	5	41	DIRT_ROAD	15	0.70	0.90	1.20	2.5	3.2	5.4 4.3	2.0	2.6	3.4
Clear_Sky	5	5	41	DIRT_ROAD	20	0.75	0.75	1.00	2.0			1.6	2.0	2.7
Clear_Sky	5	5	41	DIRT_ROAD	30	0.40	0.75	0.75	1.4	2.7 1.8	3.6	1.2	1.7	2.2
Clear_Sky	5	5	41	DIRT_ROAD	40	0.30	0.40	0.75	1.1	1.4	2.7	0.9	1.1	1.7
Clear_Sky	5	5	41	DIRT_ROAD	50	0.25	0.30	0.35	0.9		2.0	0.7	0.9	1.2
Clear_Sky	5	5	41	LOOSE_SAND	-50	0.55	0.30			1.1	1.6	0.6	0.7	1.0
Clear_Sky	5	5	41	LOOSE_SAND	-40	0.60	0.80	0.90 1.05	2.0 2.2	2.5 2.9	3.2	1.2	1.6	2.0
Clear_Sky	5	5	41	LOOSE_SAND	-30	0.75	0.90				3.8	1.3	1.8	2.4
Clear_Sky	5	5	41	LOOSE_SAND	-20	0.75		1.15	2.7	3.2	4.1	1.7	2.0	2.6
Clear_Sky	5	5	41	LOOSE_SAND			1.05	1.35	3.1	3.8	4.9	1.9	2.4	3.0
•				LOOSE_SAND	-15	0.95	1.15	1.40	3.4	4.1	5.0	2.1	2.6	3.1
Clear_Sky	5	5	41	LOOSE_SAND	-10	1.05	1.20	1.50	3.8	4.3	5.4	2.4	2.7	3.4
Clear_Sky	5	5	41	LOOSE_SAND	-5	1.15	1.30	1.60	4.1	4.7	5.8	2.6	2.9	3.6
Clear_Sky	5	5	41	LOOSE_SAND	0	1.25	1.45	1.75	4.5	5.2	6.3	2.8	3.2	3.9
Clear_Sky	5	5	41	LOOSE_SAND	5	0.80	0.95	1.25	2.9	3.4	4.5	1.8	2.1	2.8
Clear_Sky	5	5	41		10	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Clear_Sky	5	5	41	LOOSE_SAND	15	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Clear_Sky	5	5	41		20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Clear_Sky	5	5	41	LOOSE_SAND	30	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Clear_Sky	5	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	5	5	41	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table D-2. Maximum Sustainable Speed, Clear Sky, 5% Humidity, 10°C (50°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		ustainab eters/sec	le Speed cond)		stainabl meters/l			stainabl	e Speed ur)
							Risk Lev	rei	1	Risk Lev	el	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	5	10	50	BLACK_TOP	-50	0.90	1.15	1.50	3.2	4.1	5.4	2.0	2.6	3.4
Clear_Sky	5	10	50	BLACK_TOP	-40	1.00	1.25	1.65	3.6	4.5	5.9	2.2	2.8	3.7
Clear_Sky	5	10	50	BLACK_TOP	-30	1.15	1.40	1.80	4.1	5.0	6.5	2.6	3.1	4.0
Clear_Sky	5	10	50	BLACK_TOP	-20	1.30	1.60	2.00	4.7	5.8	7.2	2.9	3.6	4.5
Clear_Sky	5	10	50	BLACK_TOP	-15	1.40	1.70	2.10	5.0	6.1	7.6	3.1	3.8	4.7
Clear_Sky	5	10	50	BLACK_TOP	-10	1.50	1.80	2.20	5.4	6.5	7.9	3.4	4.0	4.9
Clear_Sky	5	10	50	BLACK_TOP	-5	1.60	1.90	2.30	5.8	6.8	8.3	3.6	4.3	5.2
Clear_Sky	5	10	50	BLACK_TOP	0	1.70	2.00	2.40	6.1	7.2	8.6	3.8	4.5	5.4
Clear_Sky	5	10	50	BLACK_TOP	5	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Clear_Sky	5	10	50	BLACK_TOP	10	0.90	1.15	1.50	3.2	4.1	5.4	2.0	2.6	3.4
Clear_Sky	5	10	50	BLACK_TOP	15	0.70	0.90	1.25	2.5	3.2	4.5	1.6	2.0	2.8
Clear_Sky	5	10	50	BLACK_TOP	20	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Clear_Sky	5	10	50	BLACK_TOP	30	0.40	0.50	0.75	1.4	1.8	2.7	0.9	1.1	1.7
Clear_Sky	5	10	50	BLACK_TOP	40	0.30	0.40	0.60	1.1	1.4	2.2	0.7	0.9	1.3
Clear_Sky	5	10	50	BLACK_TOP	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Clear_Sky	5	10	50	DIRT_ROAD	-50	0.85	1.05	1.40	3.1	3.8	5.0	1.9	2.4	3.1
Clear_Sky	5	10	50	DIRT_ROAD	-40	0.95	1.20	1.55	3.4	4.3	5.6	2.1	2.7	3.5
Clear_Sky	5	10	50	DIRT_ROAD	-30	1.10	1.35	1.70	4.0	4.9	6.1	2.5	3.0	3.8
Clear_Sky	5	10	50	DIRT_ROAD	-20	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Clear_Sky	5	10	50	DIRT_ROAD	-15	1.30	1.60	2.00	4.7	5.8	7.2	2.9	3.6	4.5
Clear_Sky	5	10	50	DIRT_ROAD	-10	1.40	1.70	2.10	5.0	6.1	7.6	3.1	3.8	4.7
Clear_Sky	5	10	50	DIRT_ROAD	-5	1.50	1.80	2.20	5.4	6.5	7.9	3.4	4.0	4.9
Clear_Sky	5	10	50	DIRT_ROAD	0	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
Clear_Sky	5	10	50	DIRT_ROAD	5	1.15	1.40	1.80	4.1	5.0	6.5	2.6	3.1	4.0
Clear_Sky	5	10	50	DIRT_ROAD	10	0.85	1.05	1.40	3.1	3.8	5.0	1.9	2.4	3.1
Clear_Sky	5	10	50	DIRT_ROAD	15	0.65	0.85	1.15	2.3	3.1	4.1	1.5	1.9	2.6
Clear_Sky	5	10	50	DIRT_ROAD	20	0.50	0.65	0.95	1.8	2.3	3.4	1.1	1.5	2.1
Clear_Sky	5	10	50	DIRT_ROAD	30	0.35	0.45	0.70	1.3	1.6	2.5	0.8	1.0	1.6
Clear_Sky	5	10	50	DIRT_ROAD	40	0.25	0.35	0.55	0.9	1.3	2.0	0.6	8.0	1.2
Clear_Sky	5	10	50	DIRT_ROAD	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Sky	5	10	50	LOOSE_SAND	-50	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Clear_Sky	5	10	50	LOOSE_SAND	-40	0.55	0.70	0.95	2.0	2.5	3.4	1.2	1.6	2.1
Clear_Sky	5	10	50	LOOSE_SAND	-30	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Clear_Sky	5	10	50	LOOSE_SAND	-20	0.80	1.00	1.25	2.9	3.6	4.5	1.8	2.2	2.8
Clear_Sky	5	10	50	LOOSE_SAND	-15	0.90	1.05	1.35	3.2	3.8	4.9	2.0	2.4	3.0
Clear_Sky	5	10	50	LOOSE_SAND	-10	0.95	1.15	1.45	3.4	4.1	5.2	2.1	2.6	3.2
Clear_Sky	5	10	50	LOOSE_SAND	-5	1.05	1.25	1.55	3.8	4.5	5.6	2.4	2.8	3.5
Clear_Sky	5	10	50	LOOSE_SAND	0	1.20	1.35	1.65	4.3	4.9	5.9	2.7	3.0	3.7
Clear_Sky	5	10	50	LOOSE_SAND	5	0.75	0.90	1.20	2.7	3.2	4.3	1.7	2.0	2.7
Clear_Sky	5	10	50	LOOSE_SAND	10	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Clear_Sky	5	10	50	LOOSE_SAND	15	0.35	0.45	0.65	1.3	1.6	2.3	8.0	1.0	1.5
Clear_Sky	5	10	50	LOOSE_SAND	20	0.25	0.35	0.50	0.9	1.3	1.8	0.6	8.0	1.1
Clear_Sky	5	10	50	LOOSE_SAND	30	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Clear_Sky	5	10	50	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	5	10	50	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table D-3. Maximum Sustainable Speed, Clear Sky, 5% Humidity, 15°C (59°F)

	Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		ustainab eters/sec	le Speed ond)		stainabl meters/			stainabl	
								Risk Lev	el	1	Risk Lev	el	1	Risk Lev	el
							Low	Mod	High	Low	Mod	High	Low	Mod	High
	tear_Sky	5	15	59	BLACK_TOP	-50	0.80	1.05	1.40	2.9	3.8	5.0	1.8	2.4	3.1
	lear_Sky	5	15	59	BLACK_TOP	-40	0.90	1.20	1.55	3.2	4.3	5.6	2.0	2.7	3.5
	lear_Sky	5	15	59	BLACK_TOP	-30	1.05	1.30	1.70	3.8	4.7	6.1	2.4	2.9	3.8
•	lear_Sky	5	15	59	BLACK_TOP	-20	1.20	1.50	1.85	4.3	5.4	6.7	2.7	3.4	4.1
	lear_Sky	5	15	59	BLACK_TOP	-15	1.30	1.60	1.95	4.7	5.8	7.0	2.9	3.6	4.4
	lear_Sky	5	15	59	BLACK_TOP	-10	1.40	1.70	2.05	5.0	6.1	7.4	3.1	3.8	4.6
1	lear_Sky	5	15	59	BLACK_TOP	-5	1.50	1.80	2.20	5.4	6.5	7.9	3.4	4.0	4.9
C	lear_Sky	5	15	59	BLACK_TOP	0	1.60	1.90	2.30	5.8	6.8	8.3	3.6	4.3	5.2
C	lear_Sky	5	15	59	BLACK_TOP	5	1.15	1.40	1.80	4.1	5.0	6.5	2.6	3.1	4.0
C	lear_Sky	5	15	59	BLACK_TOP	10	0.80	1.05	1.40	2.9	3.8	5.0	1.8	2.4	3.1
C	lear_Sky	5	15	59	BLACK_TOP	15	0.60	0.80	1.15	2.2	2.9	4.1	1.3	1.8	2.6
C	lear_Sky	5	15	59	BLACK_TOP	20	0.50	0.65	0.95	1.8	2.3	3.4	1.1	1.5	2.1
CI	lear_Sky	5	15	59	BLACK_TOP	30	0.35	0.45	0.65	1.3	1.6	2.3	8.0	1.0	1.5
CI	lear_Sky	5	15	59	BLACK_TOP	40	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
CI	ear_Sky	5	15	59	BLACK_TOP	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
CI	ear_Sky	5	15	59	DIRT_ROAD	-50	0.75	1.00	1.30	2.7	3.6	4.7	1.7	2.2	2.9
CI	ear_Sky	5	15	59	DIRT_ROAD	-40	0.85	1.10	1.45	3.1	4.0	5.2	1.9	2.5	3.2
CI	ear_Sky	5	15	59	DIRT_ROAD	-30	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
CI	ear_Sky	5	15	59	DIRT_ROAD	-20	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
CI	ear_Sky	5	15	59	DIRT_ROAD	-15	1.20	1.50	1.85	4.3	5.4	6.7	2.7	3.4	4.1
CI	ear_Sky	5	15	59	DIRT_ROAD	-10	1.30	1.60	1.95	4.7	5.8	7.0	2.9	3.6	4.4
CI	ear_Sky	5	15	59	DIRT_ROAD	-5	1.40	1.70	2.05	5.0	6.1	7.4	3.1	3.8	4.6
CI	ear_Sky	5	15	59	DIRT_ROAD	0	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Cl	ear_Sky	5	15	59	DIRT_ROAD	5	1.05	1.30	1.70	3.8	4.7	6.1	2.4	2.9	3.8
Ci	ear_Sky	5	15	59	DIRT_ROAD	10	0.75	1.00	1.30	2.7	3.6	4.7	1.7	2.2	2.9
Cl	ear_Sky	5	15	59	DIRT_ROAD	15	0.55	0.75	1.05	2.0	2.7	3.8	1.2	1.7	2.4
Cle	ear_Sky	5	15	59	DIRT_ROAD	20	0.45	0.60	0.85	1.6	2.2	3.1	1.0	1.3	1.9
Cle	ear_Sky	5	15	59	DIRT_ROAD	30	0.30	0.45	0.60	1.1	1.6	2.2	0.7	1.0	1.3
Cle	ear_Sky	5	15	59	DIRT_ROAD	40	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Cle	ear_Sky	5	15	59	DIRT_ROAD	50	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Cle	ear_Sky	5	15	59	LOOSE_SAND	-50	0.45	0.55	0.80	1.6	2.0	2.9	1.0	1.2	1.8
Cle	ear_Sky	5	15	59	LOOSE_SAND	-40	0.50	0.65	0.90	1.8	2.3	3.2	1.1	1.5	2.0
Cie	ear_Sky	5	15	59	LOOSE_SAND	-30	0.60	0.75	1.00	2.2	2.7	3.6	1.3	1.7	2.2
Cle	ear_Sky	5	15	59	LOOSE_SAND	-20	0.75	0.90	1.15	2.7	3.2	4.1	1.7	2.0	2.6
Cle	ear_Sky	5	15	59	LOOSE_SAND	-15	0.80	1.00	1.25	2.9	3.6	4.5	1.8	2.2	2.8
Cle	ear_Sky	5	15	59	LOOSE_SAND	-10	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
Cle	ar_Sky	5	15	59	LOOSE_SAND	-5	1.00	1.20	1.45	3.6	4.3	5.2	2.2	2.7	3.2
Cle	ear_Sky	5	15	59	LOOSE_SAND	0	1.10	1.30	1.55	4.0	4.7	5.6	2.5	2.9	3.5
Cle	ar_Sky	5	15	59	LOOSE_SAND	5	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Cle	ar_Sky	5	15	59	LOOSE_SAND	10	0.45	0.55	0.80	1.6	2.0	2.9	1.0	1.2	1.8
Cle	ar_Sky	5	15	59	LOOSE_SAND	15	0.30	0.40	0.60	1.1	1.4	2.2	0.7	0.9	1.3
Cle	ar_Sky	5	15	59	LOOSE_SAND	20	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Cle	ar_Sky	5	15	59	LOOSE_SAND	30	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Cle	ar_Sky	5	15	59	LOOSE_SAND	40	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Cle	ar_Sky	5	15	59	LOOSE_SAND	50	0.10	0.10	0.20	0.4	0.4	0.7	0.2	0.2	0.4

Table D-4. Maximum Sustainable Speed, Clear Sky, 5% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec		Max Su (kilo	stainable meters/l			stainabl niles/hou	
						F	Risk Leve	əl	F	Risk Leve	el	F	isk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
-Clear_Sky	5	20	68	BLACK_TOP	-50	0.75	0.95	1.30	2.7	3.4	4.7	1.7	2.1	2.9
Clear_Sky	5	20	68	BLACK_TOP	-40	0.85	1.10	1.40	3.1	4.0	5.0	1.9	2.5	3.1
Clear_Sky	5	20	68	BLACK_TOP	-30	0.95	1.20	1.55	3.4	4.3	5.6	2.1	2.7	3.5
Clear_Sky	5	20	68	BLACK_TOP	-20	1.10	1.40	1.75	4.0	5.0	6.3	2.5	3.1	3.9
Clear_Sky	5	20	68	BLACK_TOP	-15	1.20	1.50	1.85	4.3	5.4	6.7	2.7	3.4	4.1
Clear_Sky	5	20	68	BLACK_TOP	-10	1.30	1.60	1.95	4.7	5.8	7.0	2.9	3.6	4.4
Clear_Sky	5	20	68	BLACK_TOP	-5	1.40	1.70	2.05	5.0	6.1	7.4	3.1	3.8	4.6
Clear_Sky	5	20	68	BLACK_TOP	0	1.50	1.80	2.15	5.4	6.5	7.7	3.4	4.0	4.8
Clear_Sky	5	20	68	BLACK_TOP	5	1.00	1.30	1.65	3.6	4.7	5.9	2.2	2.9	3.7
Clear_Sky	5	20	68	BLACK_TOP	10	0.75	0.95	1.30	2.7	3.4	4.7	1.7	2.1	2.9
Clear_Sky	5	20	68	BLACK_TOP	15	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Clear_Sky	5	20	68	BLACK_TOP	20	0.45	0.60	0.85	1.6	2.2	3.1	1.0	1.3	1.9
Clear_Sky	5	20	68	BLACK_TOP	30	0.30	0.40	0.60	1.1	1.4	2.2	0.7	0.9	1.3
Clear_Sky	5	20	68	BLACK_TOP	40	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Clear_Sky	5	20	68	BLACK_TOP	50	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Clear_Sky	5	20	68	DIRT_ROAD	-50	0.65	0.90	1.20	2.3	3.2	4.3	1.5	2.0	2.7
Clear_Sky	5	20	68	DIRT_ROAD	-40	0.75	1.00	1.30	2.7	3.6	4.7	1.7	2.2	2.9
Clear_Sky	. 5	20	68	DIRT_ROAD	-30	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Clear_Sky	5	20	68	DIRT_ROAD	-20	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
Clear_Sky	5	20	68	DIRT_ROAD	-15	1.10	1.40	1.75	4.0	5.0	6.3	2.5	3.1	3.9
Clear_Sky	5	20	68	DIRT_ROAD	-10	1.20	1.50	1.85	4.3	5.4	6.7	2.7	3.4	4.1
Clear_Sky	5	20	68	DIRT_ROAD	-5	1.30	1.60	1.95	4.7	5.8	7.0	2.9	3.6	4.4
Clear_Sky	5	20	68	DIRT_ROAD	0	1.45	1.70	2.05	5.2	6.1	7.4	3.2	3.8	4.6
Clear_Sky	5	20	68	DIRT_ROAD	5	0.95	1.20	1.55	3.4	4.3	5.6	2.1	2.7	3.5
Clear_Sky	5	20	68	DIRT_ROAD	10	0.65	0.90	1.20	2.3	3.2	4.3	1.5	2.0	2.7
Clear_Sky	5	20	68	DIRT_ROAD	15	0.50	0.70	0.95	1.8	2.5	3.4	1.1	1.6	2.1
Clear_Sky	5	20	68	DIRT_ROAD	20	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Clear_Sky	5	20	68	DIRT_ROAD	30	0.25	0.40	0.55	0.9	1.4	2.0	0.6	0.9	1.2
Clear_Sky	5	20	68	DIRT_ROAD	40	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Sky	5	20	68	DIRT_ROAD	50	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Clear_Sky	5	20	68	LOOSE_SAND	-50	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Clear_Sky	5	20	68	LOOSE_SAND	-40	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Clear_Sky	5	20	68	LOOSE_SAND	-30	0.55	0.70	0.95	2.0	2.5	3.4	1.2	1.6	2.1
Clear_Sky	5	20	68	LOOSE_SAND	-20	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Clear_Sky	5	20	68	LOOSE_SAND	-15	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Clear_Sky	5	20	68	LOOSE_SAND	-10	0.80	1.00	1.25	2.9	3.6	4.5	1.8	2.2	2.8
Clear_Sky	5	20	68	LOOSE_SAND	- 5	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
Clear_Sky	5	20	68	LOOSE_SAND	0	1.05	1.25	1.50	3.8	4.5	5.4	2.4	2.8	3.4
Clear_Sky	5	20	68	LOOSE_SAND	5	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Clear_Sky	5	20	68	LOOSE_SAND	10	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Clear_Sky	5	20	68	LOOSE_SAND	15	0.25	0.40	0.55	0.9	1.4	2.0	0.6	0.9	1.2
Clear_Sky	5	20	68	LOOSE_SAND	20	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Sky	5	20	68	LOOSE_SAND	30	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	5	20	68	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	5	20	68	LOOSE_SAND	50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3

Table D-5. Maximum Sustainable Speed, Clear Sky, 5% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec			stainabl meters/l	e Speed nour)		stainabl niles/ho	
	, ,					F	Risk Leve	əl	F	Risk Leve	əl	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	5	25	77	BLACK_TOP	-50	0.65	0.90	1.15	2.3	3.2	4.1	1.5	2.0	2.6
Clear_Sky	5	25	77	BLACK_TOP	-40	0.75	1.00	1.25	2.7	3.6	4.5	1.7	2.2	2.8
Clear_Sky	5	25	77	BLACK_TOP	-30	0.85	1.15	1.40	3.1	4.1	5.0	1.9	2.6	3.1
Clear_Sky	5	25	77	BLACK_TOP	-20	1.00	1.30	1.60	3.6	4.7	5.8	2.2	2.9	3.6
Clear_Sky	5	25	77	BLACK_TOP	-15	1.10	1.35	1.70	4.0	4.9	6.1	2.5	3.0	3.8
Clear_Sky	5	25	77	BLACK_TOP	-10	1.15	1.45	1.80	4.1	5.2	6.5	2.6	3.2	4.0
Clear_Sky	5	25	77	BLACK_TOP	-5	1.25	1.60	1.90	4.5	5.8	6.8	2.8	3.6	4.3
Clear_Sky	5	25	77	BLACK_TOP	0	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Clear_Sky	5	25	77	BLACK_TOP	5	0.90	1.20	1.50	3.2	4.3	5.4	2.0	2.7	3.4
Clear_Sky	5	25	77	BLACK_TOP	10	0.65	0.90	1.15	2.3	3.2	4.1	1.5	2.0	2.6
Clear_Sky	5	25	77	BLACK_TOP	15	0.45	0.65	0.90	1.6	2.3	3.2	1.0	1.5	2.0
•	5	25	77	BLACK_TOP	20	0.35	0.55	0.75	1.3	2.0	2.7	0.8	1.2	1.7
Clear_Sky	5	25	77	BLACK_TOP	30	0.35	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Clear_Sky				BLACK_TOP	40	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Sky	5	25	77	BLACK_TOP		0.20	0.30	0.40	0.7	0.7	1.1	0.3	0.4	0.7
Clear_Sky	5	25	77	DIRT_ROAD	50	0.15	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Clear_Sky	5	25	77		-50	0.50		1.20	2.5	3.2	4.3	1.6	2.0	2.7
Clear_Sky	5	25	77	DIRT_ROAD DIRT_ROAD	-40	0.70	0.90 1.05	1.35	2.9	3.8	4.9	1.8	2.4	3.0
Clear_Sky	5	25	77		-30					4.3	4.9 5.4	2.1	2.7	3.4
Clear_Sky	5	25	77	DIRT_ROAD	-20	0.95	1.20	1.50	3.4		5. 4 5.8	2.2	2.9	3.6
Clear_Sky	5	25	77	DIRT_ROAD	-15	1.00	1.30	1.60	3.6	4.7		l	3.1	
Clear_Sky	5	25	77	DIRT_ROAD	-10	1.10	1.40	1.70	4.0	5.0	6.1	2.5		3.8
Clear_Sky	5	25	77	DIRT_ROAD	-5	1.20	1.50	1.80	4.3	5.4	6.5	2.7	3.4	4.0
Clear_Sky	5	25	77	DIRT_ROAD	0	1.30	1.60	1.90	4.7	5.8	6.8	2.9	3.6	4.3
Clear_Sky	5	25	77	DIRT_ROAD	5	0.85	1.15	1.40	3.1	4.1	5.0	1.9	2.6	3.1
Clear_Sky	5	25	77	DIRT_ROAD	10	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Clear_Sky	5	25	77	DIRT_ROAD	15	0.45	0.60	0.85	1.6	2.2	3.1	1.0	1.3	1.9
Clear_Sky	5	25	77	DIRT_ROAD	20	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Clear_Sky	5	25	77	DIRT_ROAD	30	0.20	0.35	0.45	0.7	1.3	1.6	0.4	8.0	1.0
Clear_Sky	5	25	77	DIRT_ROAD	40	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Clear_Sky	5	25	77	DIRT_ROAD	50	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	5	25	77	LOOSE_SAND	-50	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Clear_Sky	5	25	77	LOOSE_SAND	-40	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Clear_Sky	5	25	77	LOOSE_SAND	-30	0.45	0.65	0.85	1.6	2.3	3.1	1.0	1.5	1.9
Clear_Sky	5	25	77	LOOSE_SAND	-20	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Clear_Sky	5	25	77	LOOSE_SAND	-15	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Clear_Sky	5	25	77	LOOSE_SAND	-10	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Clear_Sky	5	25	77	LOOSE_SAND	-5	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Clear_Sky	5	25	77	LOOSE_SAND	0	0.95	1.15	1.40	3.4	4.1	5.0	2.1	2.6	3.1
Clear_Sky	5	25	77	LOOSE_SAND	5	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Clear_Sky	5	25	77	LOOSE_SAND	10	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Clear_Sky	5	25	77	LOOSE_SAND	15	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Clear_Sky	5	25	77	LOOSE_SAND	20	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Clear_Sky	5	25	77	LOOSE_SAND	30	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Clear_Sky	5	25	77	LOOSE_SAND	40	0.10	0.10	0.20	0.4	0.4	0.7	0.2	0.2	0.4
Clear_Sky	5	25	77	LOOSE_SAND	50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3

Table D-6. Maximum Sustainable Speed, Clear Sky, 5% Humidity, 30°C (86°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/h			stainabl niles/hou	
							Risk Leve	əl	F	isk Leve	31	F	Risk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	5	30	86	BLACK_TOP	-50	0.55	0.80	1.00	2.0	2.9	3.6	1.2	1.8	2.2
Clear_Sky	5	30	86	BLACK_TOP	-40	0.65	0.90	1.15	2.3	3.2	4.1	1.5	2.0	2.6
Clear_Sky	5	30	86	BLACK_TOP	-30	0.75	1.00	1.30	2.7	3.6	4.7	1.7	2.2	2.9
Clear_Sky	5	30	86	BLACK_TOP	-20	0.85	1.20	1.45	3.1	4.3	5.2	1.9	2.7	3.2
Clear_Sky	5	30	86	BLACK_TOP	-15	0.95	1.25	1.55	3.4	4.5	5.6	2.1	2.8	3.5
Clear_Sky	5	30	86	BLACK_TOP	-10	1.05	1.35	1.65	3.8	4.9	5.9	2.4	3.0	3.7
Clear_Sky	5	30	86	BLACK_TOP	-5	1.15	1.45	1.75	4.1	5.2	6.3	2.6	3.2	3.9
Clear_Sky	5	30	86	BLACK_TOP	0	1.25	1.60	1.85	4.5	5.8	6.7	2.8	3.6	4.1
Clear_Sky	5	30	86	BLACK_TOP	5	0.80	1.10	1.35	2.9	4.0	4.9	1.8	2.5	3.0
Clear_Sky	5	30	86	BLACK_TOP	10	0.55	0.80	1.00	2.0	2.9	3.6	1.2	1.8	2.2
Clear_Sky	5	30	86	BLACK_TOP	15	0.40	0.60	0.80	1.4	2.2	2.9	0.9	1.3	1.8
Clear_Sky	5	30	86	BLACK_TOP	20	0.30	0.45	0.65	1.1	1.6	2.3	0.7	1.0	1.5
Clear_Sky	5	30	86	BLACK_TOP	30	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Clear_Sky	5	30	86	BLACK_TOP	40	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	8.0
Clear_Sky	5	30	86	BLACK_TOP	50	0.10	0.20	0.25	0.4	0.7	0.9	0.2	0.4	0.6
Clear_Sky	5	30	86	DIRT_ROAD	-50	0.50	0.75	0.95	1.8	2.7	3.4	1.1	1.7	2.1
Clear_Sky	5	30	86	DIRT_ROAD	-4 0	0.60	0.85	1.05	2.2	3.1	3.8	1.3	1.9	2.4
Clear_Sky	5	30	86	DIRT_ROAD	-30	0.70	0.95	1.20	2.5	3.4	4.3	1.6	2.1	2.7
Clear_Sky	5	30	86	DIRT_ROAD	-20	0.80	1.10	1.35	2.9	4.0	4.9	1.8	2.5	3.0
Clear_Sky	5	30	86	DIRT_ROAD	-15	0.90	1.20	1.45	3.2	4.3	5.2	2.0	2.7	3.2
Clear_Sky	5	30	86	DIRT_ROAD	-10	1.00	1.30	1.55	3.6	4.7	5.6	2.2	2.9	3.5
Clear_Sky	5	30	86	DIRT_ROAD	-5	1.10	1.40	1.65	4.0	5.0	5.9	2.5	3.1	3.7
Clear_Sky	5	30	86	DIRT_ROAD	0	1.20	1.50	1.75	4.3	5.4	6.3	2.7	3.4	3.9
Clear_Sky	5	30	86	DIRT_ROAD	5	0.75	1.05	1.25	2.7	3.8	4.5	1.7	2.4	2.8
Clear_Sky	5	30	86	DIRT_ROAD	10	0.50	0.75	0.95	1.8	2.7	3.4	1.1	1.7	2.1
Clear_Sky	5	30	86	DIRT_ROAD	15	0.35	0.55	0.75	1.3	2.0	2.7	0.8	1.2	1.7
Clear_Sky	5	30	86	DIRT_ROAD	20	0.30	0.45	0.60	1.1	1.6	2.2	0.7	1.0	1.3
Clear_Sky	5	30	86	DIRT_ROAD	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Sky	5	30	86	DIRT_ROAD	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	5	30	86	DIRT_ROAD	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Clear_Sky	5	30	86	LOOSE_SAND	-50	0.25	0.40	0.55	0.9	1.4	2.0	0.6	0.9	1.2
Clear_Sky	5	30	86	LOOSE_SAND	-40	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Clear_Sky	5	30	86	LOOSE_SAND	-30	0.40	0.60	0.75	1.4	2.2	2.7	0.9	1.3	1.7
Clear_Sky	5	30	86	LOOSE_SAND	-20	0.50	0.70	0.90	1.8	2.5	3.2	1.1	1.6	2.0
Clear_Sky	5	30	86	LOOSE_SAND	-15	0.60	0.80	0.95	2.2	2.9	3.4	1.3	1.8	2.1
Clear_Sky	5	30	86	LOOSE_SAND	-10	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Clear_Sky	5	30	86	LOOSE_SAND	-5	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Clear_Sky	5	30	86	LOOSE_SAND	0	0.85	1.10	1.25	3.1	4.0	4.5	1.9	2.5	2.8
Clear_Sky	5	30	86	LOOSE_SAND	5	0.45	0.65	0.80	1.6	2.3	2.9	1.0	1.5	1.8
Clear_Sky	5	30	86	LOOSE_SAND	10	0.25	0.40	0.55	0.9	1.4	2.0	0.6	0.9	1.2
Clear_Sky	5	30	86	LOOSE_SAND	15	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Sky	5	30	86	LOOSE_SAND	20	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	5	30	86	LOOSE_SAND	30	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	5	30	86	LOOSE_SAND	40	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Clear_Sky	5	30	86	LOOSE_SAND	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2

Table D-7. Maximum Sustainable Speed, Clear Sky, 5% Humidity, 35°C (95°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainabl ters/sec	ond)		stainabl meters/l		(r	stainabl niles/hou	ır)
						1	Risk Lev	el	F	Risk Leve	əl	F	Risk Leve	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	5	35	95	BLACK_TOP	-50	0.45	0.70	0.85	1.6	2.5	3.1	1.0	1.6	1.9
Clear_Sky	5	35	95	BLACK_TOP	-40	0.50	0.80	1.00	1.8	2.9	3.6	1.1	1.8	2.2
Clear_Sky	5	35	95	BLACK_TOP	-30	0.60	0.90	1.10	2.2	3.2	4.0	1.3	2.0	2.5
Clear_Sky	5	35	95	BLACK_TOP	-20	0.75	1.05	1.30	2.7	3.8	4.7	1.7	2.4	2.9
Clear_Sky	5	35	95	BLACK_TOP	-15	0.80	1.15	1.35	2.9	4.1	4.9	1.8	2.6	3.0
Clear_Sky	5	35	95	BLACK_TOP	-10	0.90	1.25	1.45	3.2	4.5	5.2	2.0	2.8	3.2
Clear_Sky	5	35	95	BLACK_TOP	-5	1.00	1.35	1.55	3.6	4.9	5.6	2.2	3.0	3.5
Clear_Sky	5	35	95	BLACK_TOP	0	1.10	1.45	1.70	4.0	5.2	6.1	2.5	3.2	3.8
Clear_Sky	5	35	95	BLACK_TOP	5	0.70	1.00	1.20	2.5	3.6	4.3	1.6	2.2	2.7
Clear_Sky	5	35	95	BLACK_TOP	10	0.45	0.70	0.85	1.6	2.5	3.1	1.0	1.6	1.9
Clear_Sky	5	35	95	BLACK_TOP	15	0.30	0.50	0.65	1.1	1.8	2.3	0.7	1.1	1.5
Clear_Sky	5	35	95	BLACK_TOP	20	0.25	0.40	0.55	0.9	1.4	2.0	0.6	0.9	1.2
Clear_Sky	5	35	95	BLACK_TOP	30	0.15	0.30	0.35	0.5	1.1	1.3	0.3	0.7	0.8
Clear_Sky	5	3 5	95	BLACK_TOP	40	0.10	0.20	0.30	0.4	0.7	1.1	0.2	0.4	0.7
Clear_Sky	5	35	95	BLACK_TOP	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	5	35	95	DIRT_ROAD	-50	0.40	0.65	0.80	1.4	2.3	2.9	0.9	1.5	1.8
Clear_Sky	5	35	95	DIRT_ROAD	-40	0.50	0.75	0.90	1.8	2.7	3.2	1.1	1.7	2.0
Clear_Sky	5	35	95	DIRT_ROAD	-30	0.55	0.85	1.05	2.0	3.1	3.8	1.2	1.9	2.4
Clear_Sky	5	35	95	DIRT_ROAD	-20	0.70	1.00	1.20	2.5	3.6	4.3	1.6	2.2	2.7
Clear_Sky	5	35	95	DIRT_ROAD	-15	0.75	1.10	1.30	2.7	4.0	4.7	1.7	2.5	2.9
Clear_Sky	5	35	95	DIRT_ROAD	-10	0.85	1.20	1.40	3.1	4.3	5.0	1.9	2.7	3.1
Clear_Sky	5	35	95	DIRT_ROAD	-5	0.95	1.30	1.50	3.4	4.7	5.4	2.1	2.9	3.4
Clear_Sky	5	35	95	DIRT_ROAD	0	1.05	1.40	1.60	3.8	5.0	5.8	2.4	3.1	3.6
Clear_Sky	5	35	95	DIRT_ROAD	5	0.65	0.90	1.10	2.3	3.2	4.0	1.5	2.0	2.5
Clear_Sky	5	35	95	DIRT_ROAD	10	0.40	0.65	0.80	1.4	2.3	2.9	0.9	1.5	1.8
Clear_Sky	5	35	95	DIRT_ROAD	15	0.30	0.50	0.60	1.1	1.8	2.2	0.7	1.1	1.3
Clear_Sky	5	35	95	DIRT_ROAD	20	0.20	0.35	0.50	0.7	1.3	1.8	0.4	8.0	1.1
Clear_Sky	5	35	95	DIRT_ROAD	30	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	8.0
Clear_Sky	5	35	95	DIRT_ROAD	40	0.10	0.20	0.25	0.4	0.7	0.9	0.2	0.4	0.6
Clear_Sky	5	35	95	DIRT_ROAD	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	5	35	95	LOOSE_SAND	-50	0.20	0.35	0.45	0.7	1.3	1.6	0.4	0.8	1.0
Clear_Sky	5	35	95	LOOSE_SAND	-40	0.25	0.45	0.55	0.9	1.6	2.0	0.6	1.0	1.2
Clear_Sky	5	35	95	LOOSE_SAND	-30	0.35	0.50	0.65	1.3	1.8	2.3	8.0	1.1	1.5
Clear_Sky	5	35	95	LOOSE_SAND	-20	0.45	0.65	0.75	1.6	2.3	2.7	1.0	1.5	1.7
Clear_Sky	5	35	95	LOOSE_SAND	-15	0.50	0.70	0.85	1.8	2.5	3.1	1.1	1.6	1.9
Clear_Sky	5	35	95	LOOSE_SAND	-10	0.55	0.80	0.95	2.0	2.9	3.4	1.2	1.8	2.1
Clear_Sky	5	35	95	LOOSE_SAND	-5	0.65	0.90	1.05	2.3	3.2	3.8	1.5	2.0	2.4
Clear_Sky	5	35	95	LOOSE_SAND	0	0.75	1.00	1.15	2.7	3.6	4.1	1.7	2.2	2.6
Clear_Sky	5	35	95	LOOSE_SAND	5	0.35	0.55	0.70	1.3	2.0	2.5	8.0	1.2	1.6
Clear_Sky	5	35	9 5	LOOSE_SAND	10	0.20	0.35	0.45	0.7	1.3	1.6	0.4	0.8	1.0
Clear_Sky	5	35	95	LOOSE_SAND	15	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Clear_Sky	5	35	95	LOOSE_SAND	20	0.10	0.20	0.25	0.4	0.7	0.9	0.2	0.4	0.6
Clear_Sky	5	35	95	LOOSE_SAND	30	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Clear_Sky	5	35	95	LOOSE_SAND	40	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Clear_Sky	5	35	95	LOOSE_SAND	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2

Table D-8. Maximum Sustainable Speed, Clear Sky, 25% Humidity, 5°C (41°F)

Cloud	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec		Max Su (kilo	stainable meters/h			stainabl	
						F	lisk Leve	əl	F	lisk Leve	əl	F	isk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	25	5	41	BLACK_TOP	-50	1.00	1.20	1.60	3.6	4.3	5.8	2.2	2.7	3.6
Clear_Sky	25	5	41	BLACK_TOP	-40	1.10	1.35	1.75	4.0	4.9	6.3	2.5	3.0	3.9
Clear_Sky	25	5	41	BLACK_TOP	-30	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Clear_Sky	25	5	41	BLACK_TOP	-20	1.40	1.65	2.10	5.0	5.9	7.6	3.1	3.7	4.7
Clear_Sky	25	5	41	BLACK_TOP	-15	1.50	1.75	2.20	5.4	6.3	7.9	3.4	3.9	4.9
Clear_Sky	25	5	41	BLACK_TOP	-10	1.60	1.85	2.30	5.8	6.7	8.3	3.6	4.1	5.2
Clear_Sky	25	5	41	BLACK_TOP	-5	1.70	1.95	2.40	6.1	7.0	8.6	3.8	4.4	5.4
Clear_Sky	25	5	41	BLACK_TOP	O	1.80	2.10	2.50	6.5	7.6	9.0	4.0	4.7	5.6
Clear_Sky	25	5	41	BLACK_TOP	5	1.30	1.60	2.00	4.7	5.8	7.2	2.9	3.6	4.5
Clear_Sky	25	5	41	BLACK_TOP	10	1.00	1.20	1.60	3.6	4.3	5.8	2.2	2.7	3.6
Clear_Sky	25	5	41	BLACK_TOP	15	0.75	0.95	1.30	2.7	3.4	4.7	1.7	2.1	2.9
Clear_Sky	25	5	41	BLACK_TOP	20	0.60	0.80	1.10	2.2	2.9	4.0	1.3	1.8	2.5
Clear_Sky	25	5	41	BLACK_TOP	30	0.45	0.55	0.80	1.6	2.0	2.9	1.0	1.2	1.8
Clear_Sky	25	5	41	BLACK_TOP	40	0.30	0.45	0.65	1.1	1.6	2.3	0.7	1.0	1.5
Clear_Sky	25	5	41	BLACK_TOP	50	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Clear_Sky	25	5	41	DIRT_ROAD	-50	0.90	1.15	1.50	3.2	4.1	5.4	2.0	2.6	3.4
Clear_Sky	25	5	41	DIRT_ROAD	-40	1.00	1.25	1.65	3.6	4.5	5.9	2.2	2.8	3.7
Clear_Sky	25	5	41	DIRT_ROAD	-30	1.15	1.40	1.80	4.1	5.0	6.5	2.6	3.1	4.0
Clear_Sky	25	5	41	DIRT_ROAD	-20	1.30	1.55	2.00	4.7	5.6	7.2	2.9	3.5	4.5
Clear_Sky	25	5	41	DIRT_ROAD	-15	1.40	1.65	2.10	5.0	5.9	7.6	3.1	3.7	4.7
Clear_Sky	25	5	41	DIRT_ROAD	-10	1.50	1.75	2.20	5.4	6.3	7.9	3.4	3.9	4.9
Clear_Sky	25	5	41	DIRT_ROAD	-5	1.60	1.85	2.30	5.8	6.7	8.3	3.6	4.1	5.2
Clear_Sky	25	5	41	DIRT_ROAD	0	1.70	2.00	2.40	6.1	7.2	8.6	3.8	4.5	5.4
Clear_Sky	25	5	41	DIRT_ROAD	5	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Clear_Sky	25	5	41	DIRT_ROAD	10	0.90	1.15	1.50	3.2	4.1	5.4	2.0	2.6	3.4
Clear_Sky	25	5	41	DIRT_ROAD	15	0.70	0.90	1.20	2.5	3.2	4.3	1.6	2.0	2.7
Clear_Sky	25	5	41	DIRT_ROAD	20	0.55	0.70	1.00	2.0	2.5	3.6	1.2	1.6	2.2
Clear_Sky	25	5	41	DIRT_ROAD	30	0.40	0.50	0.75	1.4	1.8	2.7	0.9	1.1	1.7
Clear_Sky	25	5	41	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Clear_Sky	25	5	41	DIRT_ROAD	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Clear_Sky	25	5	41	LOOSE_SAND	-50	0.55	0.65	0.90	2.0	2.3	3.2	1.2	1.5	2.0
Clear_Sky	25	5	41	LOOSE_SAND	-40	0.60	0.75	1.05	2.2	2.7	3.8	1.3	1.7	2.4
Clear_Sky	25	5	41	LOOSE_SAND	-30	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Clear_Sky	25	5	41	LOOSE_SAND	-20	0.85	1.05	1.35	3.1	3.8	4.9	1.9	2.4	3.0
Clear_Sky	25	5	41	LOOSE_SAND	-15	0.95	1.10	1.40	3.4	4.0	5.0	2.1	2.5	3.1
Clear_Sky	25	5	41	LOOSE_SAND	-10	1.05	1.20	1.50	3.8	4.3	5.4	2.4	2.7	3.4
Clear_Sky	25	5	41	LOOSE_SAND	-5	1.15	1.30	1.60	4.1	4.7	5.8	2.6	2.9	3.6
Clear_Sky	25	5	41	LOOSE_SAND	0	1.25	1.45	1.75	4.5	5.2	6.3	2.8	3.2	3.9
Clear_Sky	25	5	41	LOOSE_SAND	5	0.80	0.95	1.25	2.9	3.4	4.5	1.8	2.1	2.8
Clear_Sky	25	5	41	LOOSE_SAND	10	0.55	0.65	0.90	2.0	2.3	3.2	1.2	1.5	2.0
Clear_Sky	25	5	41	LOOSE_SAND	15	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Clear_Sky	25	5	41	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Clear_Sky	25	5	41	LOOSE_SAND	30	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Clear_Sky	25	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	25	5	41	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table D-9. Maximum Sustainable Speed, Clear Sky, 25% Humidity, 10°C (50°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabi ters/sec			stainable meters/f		Max Su (n	stainabl niles/hou	
						F	lisk Lev	əl	F	lisk Leve	el	F	Risk Lev	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	25	10	50	BLACK_TOP	-50	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Clear_Sky	25	10	50	BLACK_TOP	-40	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Clear_Sky	25	10	50	BLACK_TOP	-30	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Clear_Sky	25	10	50	BLACK_TOP	-20	1.30	1.55	1.95	4.7	5.6	7.0	2.9	3.5	4.4
Clear_Sky	25	10	50	BLACK_TOP	-15	1.40	1.65	2.05	5.0	5.9	7.4	3.1	3.7	4.6
Clear_Sky	25	10	50	BLACK_TOP	-10	1.50	1.75	2.15	5.4	6.3	7.7	3.4	3.9	4.8
Clear_Sky	25	10	50	BLACK_TOP	-5	1.60	1.85	2.25	5.8	6.7	8.1	3.6	4.1	5.0
Clear_Sky	25	10	50	BLACK_TOP	0	1.70	2.00	2.35	6.1	7.2	8.5	3.8	4.5	5.3
Clear_Sky	25	10	50	BLACK_TOP	5	1.20	1.50	1.85	4.3	5.4	6.7	2.7	3.4	4.1
Clear_Sky	25	10	50	BLACK_TOP	10	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Clear_Sky	25	10	50	BLACK_TOP	15	0.70	0.90	1.20	2.5	3.2	4.3	1.6	2.0	2.7
Clear_Sky	25	10	50	BLACK_TOP	20	0.55	0.70	1.00	2.0	2.5	3.6	1.2	1.6	2.2
Clear_Sky	25	10	50	BLACK_TOP	30	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Clear_Sky	25	10	50	BLACK_TOP	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Clear_Sky	25	10	50	BLACK_TOP	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Clear_Sky	25	10	50	DIRT_ROAD	-50	0.85	1.05	1.35	3.1	3.8	4.9	1.9	2.4	3.0
Clear_Sky	25	10	50	DIRT_ROAD	-40	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Clear_Sky	25	10	50	DIRT_ROAD	-30	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
Clear_Sky	25	10	50	DIRT_ROAD	-20	1.20	1.50	1.85	4.3	5.4	6.7	2.7	3.4	4.1
Clear_Sky	25	10	50	DIRT_ROAD	-15	1.30	1.55	1.95	4.7	5.6	7.0	2.9	3.5	4.4
Clear_Sky	25	10	50	DIRT_ROAD	-10	1.40	1.65	2.05	5.0	5.9	7.4	3.1	3.7	4.6
Clear_Sky	25	10	50	DIRT_ROAD	- 5	1.50	1.80	2.15	5.4	6.5	7.7	3.4	4.0	4.8
Clear_Sky	25	10	50	DIRT_ROAD	0	1.60	1.90	2.25	5.8	6.8	8.1	3.6	4.3	5.0
Clear_Sky	25	10	50	DIRT_ROAD	5	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Clear_Sky	25	10	50	DIRT_ROAD	10	0.85	1.05	1.35	3.1	3.8	4.9	1.9	2.4	3.0
Clear_Sky	25	10	50	DIRT_ROAD	15	0.65	0.80	1.10	2.3	2.9	4.0	1.5	1.8	2.5
Clear_Sky	25	10	50	DIRT_ROAD	20	0.50	0.65	0.90	1.8	2.3	3.2	1.1	1.5	2.0
Clear_Sky	25	10	50	DIRT_ROAD	30	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Clear_Sky	25	10	50	DIRT_ROAD	40	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Clear_Sky	25	10	50	DIRT_ROAD	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Sky	25	10	50	LOOSE_SAND	-50	0.50	0.60	0.85	1.8	2.2	3.1	1.1	1.3	1.9
Clear_Sky	25	10	50	LOOSE_SAND	-40	0.55	0.70	0.95	2.0	2.5	3.4	1.2	1.6	2.1
Clear_Sky	25	10	50	LOOSE_SAND	-30	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Clear_Sky	2 5	10	50	LOOSE_SAND	-20	0.80	0.95	1.25	2.9	3.4	4.5	1.8	2.1	2.8
Clear_Sky	25 25	10	50	LOOSE_SAND	-15	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Clear_Sky	2 5	10	50	LOOSE_SAND	-10	0.95	1.15	1.40	3.4	4.1	5.0	2.1	2.6	3.1
Clear_Sky	25 25	10	50	LOOSE_SAND	-10 -5	1.05	1.25	1.50	3.8	4.5	5.4	2.4	2.8	3.4
Clear_Sky	25 25	10	50 50	LOOSE_SAND	0	1.15	1.35	1.65	4.1	4.9	5.9	2.6	3.0	3.7
Clear_Sky	25 25	10	50	LOOSE_SAND	5	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Clear_Sky	25 25	10	5 0	LOOSE_SAND	10	0.50	0.60	0.85	1.8	2.2	3.1	1.1	1.3	1.9
Clear_Sky	25 25	10	5 0	LOOSE_SAND	15	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
-	25 25	10	50	LOOSE_SAND	20	0.35	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Clear_Sky Clear_Sky	25 25	10	50	LOOSE_SAND	30	0.15	0.35	0.35	0.5	0.9	1.3	0.3	0.6	0.8
	25 25	10	50	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.5	0.9	0.3	0.4	0.6
Clear_Sky				LOOSE_SAND)			0.20	0.5	0.7	0.9	0.2	0.3	0.4
Clear_Sky	25	10	50	LOUSE_SAND	50	0.10	0.15	0.20	Ų. 4	0.5	0.7	0.2	0.3	V.4

Table D-10. Maximum Sustainable Speed, Clear Sky, 25% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/f		Max Su: (m	stainable niles/hou	
						F	lisk Leve	el	F	lisk Leve	əl	F	lisk Leve	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	25	15	59	BLACK_TOP	-50	0.80	1.05	1.35	2.9	3.8	4.9	1.8	2.4	3.0
Clear_Sky	25	15	59	BLACK_TOP	-40	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Clear_Sky	25	15	59	BLACK_TOP	-30	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
Clear_Sky	25	15	59	BLACK_TOP	-20	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Clear_Sky	25	15	59	BLACK_TOP	-15	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Clear_Sky	25	15	59	BLACK_TOP	-10	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Clear_Sky	25	15	59	BLACK_TOP	-5	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Clear_Sky	25	15	59	BLACK_TOP	0	1.60	1.90	2.20	5.8	6.8	7.9	3.6	4.3	4.9
Clear_Sky	25	15	59	BLACK_TOP	5	1.10	1.40	1.70	4.0	5.0	6.1	2.5	3.1	3.8
Clear_Sky	25	15	59	BLACK_TOP	10	0.80	1.05	1.35	2.9	3.8	4.9	1.8	2.4	3.0
Clear_Sky	25	15	59	BLACK_TOP	15	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Clear_Sky	25	15	59	BLACK_TOP	20	0.50	0.65	0.90	1.8	2.3	3.2	1.1	1.5	2.0
Clear_Sky	25	15	59	BLACK_TOP	30	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Clear_Sky	25	15	59	BLACK_TOP	40	0.25	0.35	0.50	0.9	1.3	1.8	0.6	8.0	1.1
Clear_Sky	25	15	59	BLACK_TOP	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Sky	25	15	59	DIRT_ROAD	-50	0.75	0.95	1.25	2.7	3.4	4.5	1.7	2.1	2.8
Clear_Sky	25	15	59	DIRT_ROAD	-40	0.85	1.10	1.40	3.1	4.0	5.0	1.9	2.5	3.1
Clear_Sky	25	15	59	DIRT_ROAD	-30	0.95	1.20	1.55	3.4	4.3	5.6	2.1	2.7	3.5
Clear_Sky	25	15	59	DIRT_ROAD	-20	1.10	1.40	1.70	4.0	5.0	6.1	2.5	3.1	3.8
Clear_Sky	25	15	59	DIRT_ROAD	-15	1.20	1.50	1.80	4.3	5.4	6.5	2.7	3.4	4.0
Clear_Sky	25	15	59	DIRT_ROAD	-10	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Clear_Sky	25	15	59	DIRT_ROAD	-5	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Clear_Sky	25	15	59	DIRT_ROAD	0	1.50	1.80	2.10	5.4	6.5	7.6	3.4	4.0	4.7
Clear_Sky	25	15	59	DIRT_ROAD	5	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Clear_Sky	25	15	59	DIRT_ROAD	10	0.75	0.95	1.25	2.7	3.4	4.5	1.7	2.1	2.8
Clear_Sky	25	15	59	DIRT_ROAD	15	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Clear_Sky	25	15	59	DIRT_ROAD	20	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Clear_Sky	25	15	59	DIRT_ROAD	30	0.30	0.40	0.60	1.1	1.4	2.2	0.7	0.9	1.3
Clear_Sky	25	15	59	DIRT_ROAD	40	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Clear_Sky	25	15	59	DIRT_ROAD	50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Clear_Sky	25	15	59	LOOSE_SAND	-50	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Clear_Sky	25	15	59	LOOSE_SAND	-40	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Clear_Sky	25	15	59	LOOSE_SAND	-30	0.60	0.75	0.95	2.2	2.7	3.4	1.3	1.7	2.1
Clear_Sky	25	15	59	LOOSE_SAND	-20	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Clear_Sky	25	15	59	LOOSE_SAND	-15	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Clear_Sky	25	15	59	LOOSE_SAND	-10	0.90	1.10	1.30	3.2	4.0	4.7	2.0	2.5	2.9
Clear_Sky	25	15	59	LOOSE_SAND	-5	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Clear_Sky	25	15	59	LOOSE_SAND	0	1.10	1.30	1.50	4.0	4.7	5.4	2.5	2.9	3.4
Clear_Sky	25	15	59	LOOSE_SAND	5	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Clear_Sky	25	15	59	LOOSE_SAND	10	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Clear_Sky	25	15	59	LOOSE_SAND	15	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Clear_Sky	25	15	59	LOOSE_SAND	20	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Clear_Sky	25	15	59	LOOSE_SAND	30	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	25	15	59	LOOSE_SAND	40	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Clear_Sky	25	15	59	LOOSE_SAND	50	0.10	0.10	0.20	0.4	0.4	0.7	0.2	0.2	0.4

Table D-11. Maximum Sustainable Speed, Clear Sky, 25% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	e Speed ond)		stainabl meters/l			stainabl	
							Risk Lev	el	F	Risk Leve	el	F	isk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	25	20	68	BLACK_TOP	-50	0.70	0.95	1.20	2.5	3.4	4.3	1.6	2.1	2.7
Clear_Sky	25	20	68	BLACK_TOP	-40	0.80	1.05	1.30	2.9	3.8	4.7	1.8	2.4	2.9
Clear_Sky	25	20	68	BLACK_TOP	-30	0.95	1.20	1.45	3.4	4.3	5.2	2.1	2.7	3.2
Clear_Sky	25	20	68	BLACK_TOP	-20	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Clear_Sky	25	20	68	BLACK_TOP	-15	1.15	1.45	1.75	4.1	5.2	6.3	2.6	3.2	3.9
Clear_Sky	25	20	68	BLACK_TOP	-10	1.25	1.55	1.85	4.5	5.6	6.7	2.8	3.5	4.1
Clear_Sky	25	20	68	BLACK_TOP	-5	1.35	1.65	1.95	4.9	5.9	7.0	3.0	3.7	4.4
Clear_Sky	25	20	68	BLACK_TOP	0	1.50	1.75	2.05	5.4	6.3	7.4	3.4	3.9	4.6
Clear_Sky	25	20	68	BLACK_TOP	5	1.00	1.30	1.55	3.6	4.7	5.6	2.2	2.9	3.5
Clear_Sky	25	20	68	BLACK_TOP	10	0.70	0.95	1.20	2.5	3.4	4.3	1.6	2.1	2.7
Clear_Sky	25	20	68	BLACK_TOP	15	0.55	0.75	0.95	2.0	2.7	3.4	1.2	1.7	2.1
Clear_Sky	25	20	68	BLACK_TOP	20	0.40	0.60	0.75	1.4	2.2	2.7	0.9	1.3	1.7
Clear_Sky	25	20	68	BLACK_TOP	30	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Clear_Sky	25	20	68	BLACK_TOP	40	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Sky	25	20	68	BLACK_TOP	50	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Clear_Sky	25	20	68	DIRT_ROAD	-50	0.65	0.90	1.10	2.3	3.2	4.0	1.5	2.0	2.5
Clear_Sky	25	20	68	DIRT_ROAD	-40	0.75	1.00	1.25	2.7	3.6	4.5	1.7	2.2	2.8
Clear_Sky	25	20	68	DIRT_ROAD	-30	0.85	1.15	1.35	3.1	4.1	4.9	1.9	2.6	3.0
Clear_Sky	25	20	68	DIRT_ROAD	-20	1.00	1.30	1.55	3.6	4.7	5.6	2.2	2.9	3.5
Clear_Sky	25	20	68	DIRT_ROAD	-15	1.10	1.40	1.65	4.0	5.0	5.9	2.5	3.1	3.7
Clear_Sky	25	20	68	DIRT_ROAD	-10	1.20	1.45	1.75	4.3	5.2	6.3	2.7	3.2	3.9
Clear_Sky	25	20	68	DIRT_ROAD	-5	1.30	1.60	1.85	4.7	5.8	6.7	2.9	3.6	4.1
Clear_Sky	25	20	68	DIRT_ROAD	0	1.40	1.70	1.95	5.0	6.1	7.0	3.1	3.8	4.4
Clear_Sky	25	20	68	DIRT_ROAD	5	0.95	1.20	1.45	3.4	4.3	5.2	2.1	2.7	3.2
Clear_Sky	25	20	68	DIRT_ROAD	10	0.65	0.90	1.10	2.3	3.2	4.0	1.5	2.0	2.5
Clear_Sky	25	20	68	DIRT_ROAD	15	0.50	0.70	0.85	1.8	2.5	3.1	1.1	1.6	1.9
Clear_Sky	25	20	68	DIRT_ROAD	20	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Clear_Sky	25	20	68	DIRT_ROAD	30	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Clear_Sky	25	20	68	DIRT_ROAD	40	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Sky	25	20	68	DIRT_ROAD	50	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	25	20	68	LOOSE_SAND	-50	0.35	0.50	0.65	1.3	1.8	2.3	8.0	1.1	1.5
Clear_Sky	25	20	68	LOOSE_SAND	-40	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Clear_Sky	25	20	68	LOOSE_SAND	-30	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Clear_Sky	25	20	68	LOOSE_SAND	-20	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
Clear_Sky	25	20	68	LOOSE_SAND	-15	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Clear_Sky	25	20	68	LOOSE_SAND	-10	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Clear_Sky	25	20	68	LOOSE_SAND	-5	0.90	1.10	1.30	3.2	4.0	4.7	2.0	2.5	2.9
Clear_Sky	25	20	68	LOOSE_SAND	0	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Clear_Sky	25	20	68	LOOSE_SAND	5	0.60	0.75	0.95	2.2	2.7	3.4	1.3	1.7	2.1
Clear_Sky	25	20	68	LOOSE_SAND	10	0.35	0.50	0.65	1.3	1.8	2.3	8.0	1.1	1.5
Clear_Sky	25	20	68	LOOSE_SAND	15	0.25	0.35	0.50	0.9	1.3	1.8	0.6	8.0	1.1
Clear_Sky	25	20	68	LOOSE_SAND	20	0.20	0.30	0.40	0.7	1,1	1.4	0.4	0.7	0.9
Clear_Sky	25	20	68	LOOSE_SAND	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	25	20	68	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	25	20	68	LOOSE_SAND	50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3

Table D-12. Maximum Sustainable Speed, Clear Sky, 25% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec		Max Su (kilo	stainabl meters/l			stainabl niles/hor	
							Risk Lev	el	F	lisk Lev	el	F	lisk Lev	ei
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	25	25	77	BLACK_TOP	-50	0.60	0.85	1.05	2.2	3.1	3.8	1.3	1.9	2.4
Clear_Sky	25	25	77	BLACK_TOP	-40	0.70	0.95	1.15	2.5	3.4	4.1	1.6	2.1	2.6
Clear_Sky	25	25	77	BLACK_TOP	-30	0.85	1.10	1.30	3.1	4.0	4.7	1.9	2.5	2.9
Clear_Sky	25	25	77	BLACK_TOP	-20	0.95	1.25	1.45	3.4	4.5	5.2	2.1	2.8	3.2
Clear_Sky	25	25	77	BLACK_TOP	-15	1.05	1.35	1.55	3.8	4.9	5.6	2.4	3.0	3.5
Clear_Sky	25	25	77	BLACK_TOP	-10	1.15	1.45	1.65	4.1	5.2	5.9	2.6	3.2	3.7
Clear_Sky	25	25	77	BLACK_TOP	-5	1.25	1.55	1.75	4.5	5.6	6.3	2.8	3.5	3.9
Clear_Sky	25	25	77	BLACK_TOP	0	1.35	1.65	1.85	4.9	5.9	6.7	3.0	3.7	4.1
Clear_Sky	25	25	77	BLACK_TOP	5	0.90	1.15	1.35	3.2	4.1	4.9	2.0	2.6	3.0
Clear_Sky	25	25	77	BLACK_TOP	10	0.60	0.85	1.05	2.2	3.1	3.8	1.3	1.9	2.4
Clear_Sky	25	25	77	BLACK_TOP	15	0.45	0.65	0.80	1.6	2.3	2.9	1.0	1.5	1.8
Clear_Sky	25	25	77	BLACK_TOP	20	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Clear_Sky	25	25	77	BLACK_TOP	30	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Clear_Sky	25	25	77	BLACK_TOP	40	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Clear_Sky	25	25	77	BLACK_TOP	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	25	25	77	DIRT_ROAD	-50	0.55	0.80	0.95	2.0	2.9	3.4	1.2	1.8	2.1
Clear_Sky	25	25	77	DIRT_ROAD	-40	0.65	0.90	1.05	2.3	3.2	3.8	1.5	2.0	2.4
Clear_Sky	25	25	77	DIRT_ROAD	-30	0.75	1.05	1.20	2.7	3.8	4.3	1.7	2.4	2.7
Clear_Sky	25	25	77	DIRT_ROAD	-20	0.90	1.20	1.35	3.2	4.3	4.9	2.0	2.7	3.0
Clear_Sky	25	25	77	DIRT_ROAD	-15	1.00	1.25	1.45	3.6	4.5	5.2	2.2	2.8	3.2
Clear_Sky	25	25	77	DIRT_ROAD	-10	1.10	1.35	1.55	4.0	4.9	5.6	2.5	3.0	3.5
Clear_Sky	25	25	77	DIRT_ROAD	-5	1.20	1.45	1.65	4.3	5.2	5.9	2.7	3.2	3.7
Clear_Sky	25	25	77	DIRT_ROAD	0	1.30	1.60	1.75	4.7	5.8	6.3	2.9	3.6	3.9
Clear_Sky	25	25	77	DIRT_ROAD	5	0.85	1.10	1.30	3.1	4.0	4.7	1.9	2.5	2.9
Clear_Sky	25	25	77	DIRT_ROAD	10	0.55	0.80	0.95	2.0	2.9	3.4	1.2	1.8	2.1
Clear_Sky	25	25	77	DIRT_ROAD	15	0.40	0.60	0.75	1.4	2.2	2.7	0.9	1.3	1.7
Clear_Sky	25	25	77	DIRT_ROAD	20	0.30	0.45	0.60	1.1	1.6	2.2	0.7	1.0	1.3
Clear_Sky	25	25	77	DIRT_ROAD	30	0.20	0.35	0.40	0.7	1.3	1.4	0.4	8.0	0.9
Clear_Sky	25	25	77	DIRT_ROAD	40	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Clear_Sky	25	25	77	DIRT_ROAD	50	0.10	0.20	0.25	0.4	0.7	0.9	0.2	0.4	0.6
Clear_Sky	25	25	77	LOOSE_SAND	-50	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
Clear_Sky	25	25	77	LOOSE_SAND	-40	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Clear_Sky	25	25	77	LOOSE_SAND	-30	0.45	0.65	0.75	1.6	2.3	2.7	1.0	1.5	1.7
Clear_Sky	25	25	77	LOOSE_SAND	-20	0.55	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Clear_Sky	25	25	77	LOOSE_SAND	-15	0.65	0.85	0.95	2.3	3.1	3.4	1.5	1.9	2.1
Clear_Sky	25	25	77	LOOSE_SAND	-10	0.75	0.95	1.05	2.7	3.4	3.8	1.7	2.1	2.4
Clear_Sky	25	25	77	LOOSE_SAND	-5	0.80	1.05	1.15	2.9	3.8	4.1	1.8	2.4	2.6
Clear_Sky	25	25	77	LOOSE_SAND	0	0.95	1.15	1.30	3.4	4.1	4.7	2.1	2.6	2.9
Clear_Sky	25	25	77	LOOSE_SAND	5	0.50	0.70	0.80	1.8	2.5	2.9	1.1	1.6	1.8
Clear_Sky	25	25	77	LOOSE_SAND	10	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
Clear_Sky	25	25	77	LOOSE_SAND	15	0.20	0.35	0.40	0.7	1.3	1.4	0.4	0.8	0.9
Clear_Sky	25	25	77	LOOSE_SAND	20	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Clear_Sky	25	25	77	LOOSE_SAND	30	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	25	25	77	LOOSE_SAND	40	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Clear_Sky	25	25	77	LOOSE_SAND	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2

Table D-13. Maximum Sustainable Speed, Clear Sky, 25% Humidity, 30° C (86° F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl	e Speed ond)		stainabl meters/l		Max Su (r	stainabl niles/ho	
							Risk Lev	el	F	Risk Lev	el	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	25	30	86	BLACK_TOP	-50	0.50	0.70	0.85	1.8	2.5	3.1	1,1	1.6	1.9
Clear_Sky	25	30	86	BLACK_TOP	-40	0.60	0.80	0.95	2.2	2.9	3.4	1.3	1.8	2.1
Clear_Sky	25	30	86	BLACK_TOP	-30	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Clear_Sky	25	30	86	BLACK_TOP	-20	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Clear_Sky	25	30	86	BLACK_TOP	-15	0.95	1.15	1.35	3.4	4.1	4.9	2.1	2.6	3.0
Clear_Sky	25	30	86	BLACK_TOP	-10	1.00	1.25	1.45	3.6	4.5	5.2	2.2	2.8	3.2
Clear_Sky	25	30	86	BLACK_TOP	-5	1.10	1.35	1.55	4.0	4.9	5.6	2.5	3.0	3.5
Clear_Sky	25	30	86	BLACK_TOP	0	1.25	1.45	1.65	4.5	5.2	5.9	2.8	3.2	3.7
Clear_Sky	25	30	86	BLACK_TOP	5	0.75	1.00	1.15	2.7	3.6	4.1	1.7	2.2	2.6
Clear_Sky	25	30	86	BLACK_TOP	10	0.50	0.70	0.85	1.8	2.5	3.1	1.1	1.6	1.9
Clear_Sky	25	30	86	BLACK_TOP	15	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Clear_Sky	25	30	86	BLACK_TOP	20	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Clear_Sky	25	30	86	BLACK_TOP	30	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Clear_Sky	25	30	86	BLACK_TOP	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	25	30	86	BLACK_TOP	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	25	30	86	DIRT_ROAD	-50	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Clear_Sky	25	30	86	DIRT_ROAD	-40	0.55	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Clear_Sky	25	30	86	DIRT_ROAD	-30	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
Clear_Sky	25	30	86	DIRT_ROAD	-20	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Clear_Sky	25	30	86	DIRT_ROAD	-15	0.85	1.10	1.25	3.1	4.0	4.5	1.9	2.5	2.8
Clear_Sky	25	30	86	DIRT_ROAD	-10	0.95	1.20	1.35	3.4	4.3	4.9	2.1	2.7	3.0
Clear_Sky	25	30	86	DIRT_ROAD	-5	1.05	1.30	1.45	3.8	4.7	5.2	2.4	2.9	3.2
Clear_Sky	25	30	86	DIRT_ROAD	0	1.15	1.40	1.55	4.1	5.0	5.6	2.6	3.1	3.5
Clear_Sky	25	30	86	DIRT_ROAD	5	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Clear_Sky	25	30	86	DIRT_ROAD	10	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Clear_Sky	25	30	86	DIRT_ROAD	15	0.35	0.50	0.60	1.3	1.8	2.2	0.8	1.1	1.3
Clear_Sky	25	30	86	DIRT_ROAD	20	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Clear_Sky	25	30	86	DIRT_ROAD	30	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Clear_Sky	25	30	86	DIRT_ROAD	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	25	30	86	DIRT_ROAD	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	25	30	86	LOOSE_SAND	-50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Clear_Sky	25	30	86	LOOSE_SAND	-40	0.30	0.45	0.50	1.1	1.6	1.8	0.7	1.0	1.1
Clear_Sky	25	30	86	LOOSE_SAND	-30	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Clear_Sky	25	30	86	LOOSE_SAND	-20	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
Clear_Sky	25	30	86	LOOSE_SAND	-15	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Clear_Sky	25	30	86	LOOSE_SAND	-10	0.65	0.80	0.90	2.3	2.9	3.2	1.5	1.8	2.0
Clear_Sky	25	30	86	LOOSE_SAND	-5	0.75	0.90	1.00	2.7	3.2	3.6	1.7	2.0	2.2
Clear_Sky	25	30	86	LOOSE_SAND	0	0.85	1.00	1.15	3.1	3.6	4.1	1.9	2.2	2.6
Clear_Sky	25	30	86	LOOSE_SAND	5	0.45	0.55	0.70	1.6	2.0	2.5	1.0	1.2	1.6
Clear_Sky	25	30	86	LOOSE_SAND	10	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Clear_Sky	25	30	86	LOOSE_SAND	15	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Clear_Sky	25	30	86	LOOSE_SAND	20	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	25	30	86	LOOSE_SAND	30	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Clear_Sky	25	30	86	LOOSE_SAND	40	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Clear_Sky	25	30	86	LOOSE_SAND	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2

Table D-14. Maximum Sustainable Speed, Clear Sky, 25% Humidity, 35°C (95°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	e Speed ond)		stainabl meters/t			stainabl niles/ho	
						ı	Risk Lev	el	F	lisk Lev	el	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	25	35	95	BLACK_TOP	-50	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Clear_Sky	25	35	95	BLACK_TOP	-40	0.50	0.60	0.75	1.8	2.2	2.7	1.1	1.3	1.7
Clear_Sky	25	35	95	BLACK_TOP	-30	0.60	0.70	0.85	2.2	2.5	3.1	1.3	1.6	1.9
Clear_Sky	25	35	95	BLACK_TOP	-20	0.70	0.85	1.00	2.5	3.1	3.6	1.6	1.9	2.2
Clear_Sky	25	35	95	BLACK_TOP	-15	0.80	0.90	1.05	2.9	3.2	3.8	1.8	2.0	2.4
Clear_Sky	25	35	95	BLACK_TOP	-10	0.85	1.00	1.15	3.1	3.6	4.1	1.9	2.2	2.6
Clear_Sky	25	35	95	BLACK_TOP	-5	0.95	1.10	1.25	3.4	4.0	4.5	2.1	2.5	2.8
Clear_Sky	25	35	95	BLACK_TOP	0	1.10	1.20	1.40	4.0	4.3	5.0	2.5	2.7	3.1
Clear_Sky	25	35	95	BLACK_TOP	5	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
Clear_Sky	25	3 5	95	BLACK_TOP	10	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Clear_Sky	25	35	95	BLACK_TOP	15	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
Clear_Sky	25	35	95	BLACK_TOP	20	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Clear_Sky	25	35	95	BLACK_TOP	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	25	35	95	BLACK_TOP	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	25	35	95	BLACK_TOP	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Clear_Sky	25	35	95	DIRT_ROAD	-50	0.40	0.45	0.60	1.4	1.6	2.2	0.9	1.0	1.3
Clear_Sky	25	35	95	DIRT_ROAD	-40	0.45	0.55	0.70	1.6	2.0	2.5	1.0	1.2	1.6
Clear_Sky	25	35	95	DIRT_ROAD	-30	0.55	0.65	0.80	2.0	2.3	2.9	1.2	1.5	1.8
Clear_Sky	25	35	95	DIRT_ROAD	-20	0.65	0.75	0.95	2.3	2.7	3.4	1.5	1.7	2.1
Clear_Sky	25	35	95	DIRT_ROAD	-15	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
Clear_Sky	25	3 5	95	DIRT_ROAD	-10	0.80	0.95	1.10	2.9	3.4	4.0	1.8	2.1	2.5
Clear_Sky	25	35	95	DIRT_ROAD	-5	0.90	1.05	1.20	3.2	3.8	4.3	2.0	2.4	2.7
Clear_Sky	25	35	95	DIRT_ROAD	0	1.05	1.15	1.30	3.8	4.1	4.7	2.4	2.6	2.9
Clear_Sky	25	35	95	DIRT_ROAD	5	0.60	0.70	0.85	2.2	2.5	3.1	1.3	1.6	1.9
Clear_Sky	25	35	95	DIRT_ROAD	10	0.40	0.45	0.60	1.4	1.6	2.2	0.9	1.0	1.3
Clear_Sky	25	35	95	DIRT_ROAD	15	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Clear_Sky	25	35	95	DIRT_ROAD	20	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Clear_Sky	25	35	95	DIRT_ROAD	30	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Clear_Sky	25	35	95	DIRT_ROAD	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Clear_Sky	25	35	95	DIRT_ROAD	50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Clear_Sky	25	35	95	LOOSE_SAND	-50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Clear_Sky	25	35	95	LOOSE_SAND	-40	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Clear_Sky	25	35	95	LOOSE_SAND	-30	0.30	0.40	0.45	1.1	1.4	1.6	0.7	0.9	1.0
Clear_Sky	25	35	95	LOOSE_SAND	-20	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Clear_Sky	25	3 5	95	LOOSE_SAND	-15	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Clear_Sky	25	35	95	LOOSE_SAND	-10	0.55	0.60	0.75	2.0	2.2	2.7	1.2	1.3	1.7
Clear_Sky	25	35	95	LOOSE_SAND	-5	0.65	0.70	0.85	2.3	2.5	3.1	1.5	1.6	1.9
Clear_Sky	25	3 5	95	LOOSE_SAND	0	0.75	0.85	0.95	2.7	3.1	3.4	1.7	1.9	2.1
Clear_Sky	25	35	95	LOOSE_SAND	5	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Clear_Sky	25	35	9 5	LOOSE_SAND	10	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Clear_Sky	25	35	95	LOOSE_SAND	15	0.15	0.15	0.25	0.5	0.5	0.9	0.3	0.3	0.6
Clear_Sky	25	35	95	LOOSE_SAND	20	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
Clear_Sky	25	35	95	LOOSE_SAND	30	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Clear_Sky	25	35	95	LOOSE_SAND	40	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1
Clear_Sky	25	35	95	LOOSE_SAND	50	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1

Table D-15. Maximum Sustainable Speed, Clear Sky, 50% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	e Speed ond)		stainable meters/l			stainabl niles/hou	
	` '					-	Risk Leve	el	F	Risk Leve	əl		Risk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	50	5	41	BLACK_TOP	-50	0.95	1.20	1.60	3.4	4.3	5.8	2.1	2.7	3.6
Clear_Sky	50	5	41	BLACK_TOP	-40	1.10	1.35	1.75	4.0	4.9	6.3	2.5	3.0	3.9
Clear_Sky	50	5	41	BLACK_TOP	-30	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Clear_Sky	50	5	41	BLACK_TOP	-20	1.40	1.65	2.10	5.0	5.9	7.6	3.1	3.7	4.7
Clear_Sky	50	5	41	BLACK_TOP	-15	1.50	1.75	2.20	5.4	6.3	7.9	3.4	3.9	4.9
Clear_Sky	50	5	41	BLACK_TOP	-10	1.60	1.85	2.30	5.8	6.7	8.3	3.6	4.1	5.2
Clear_Sky	50	5	41	BLACK_TOP	-5	1.70	1.95	2.40	6.1	7.0	8.6	3.8	4.4	5.4
Clear_Sky	50	5	41	BLACK_TOP	0	1.80	2.05	2.50	6.5	7.4	9.0	4.0	4.6	5.6
Clear_Sky	50	5	41	BLACK_TOP	5	1.30	1.55	2.00	4.7	5.6	7.2	2.9	3.5	4.5
Clear_Sky	50	5	41	BLACK_TOP	10	0.95	1.20	1.60	3.4	4.3	5.8	2.1	2.7	3.6
Clear_Sky	50	5	41	BLACK_TOP	15	0.75	0.95	1.30	2.7	3.4	4.7	1.7	2.1	2.9
Clear_Sky	50	5	41	BLACK_TOP	20	0.60	0.80	1.10	2.2	2.9	4.0	1.3	1.8	2.5
Clear_Sky	50	5	41	BLACK_TOP	30	0.40	0.55	0.80	1.4	2.0	2.9	0.9	1.2	1.8
Clear_Sky	50	5	41	BLACK_TOP	40	0.30	0.45	0.65	1.1	1.6	2.3	0.7	1.0	1.5
Clear_Sky	50	5	41	BLACK_TOP	50	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Clear_Sky	50	5	41	DIRT_ROAD	-50	0.90	1.10	1.50	3.2	4.0	5.4	2.0	2.5	3.4
Clear_Sky	50	5	41	DIRT_ROAD	-40	1.00	1.25	1.65	3.6	4.5	5.9	2.2	2.8	3.7
Clear_Sky	50	5	41	DIRT_ROAD	-30	1.15	1.40	1.80	4.1	5.0	6.5	2.6	3.1	4.0
Clear_Sky	50	5	41	DIRT_ROAD	-20	1.30	1.55	2.00	4.7	5.6	7.2	2.9	3.5	4.5
Clear_Sky	50	5	41	DIRT_ROAD	-15	1.40	1.65	2.10	5.0	5.9	7.6	3.1	3.7	4.7
•	50	5	41	DIRT_ROAD	-10	1.50	1.75	2.20	5.4	6.3	7.9	3.4	3.9	4.9
Clear_Sky	50	5	41	DIRT_ROAD	-10 -5	1.60	1.85	2.30	5.8	6.7	8.3	3.6	4.1	5.2
Clear_Sky	50	5	41	DIRT_ROAD	0	1.70	2.00	2.40	6.1	7.2	8.6	3.8	4.5	5.4
Clear_Sky	50	5	41	DIRT_ROAD	5	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Clear_Sky	50	5	41	DIRT_ROAD	10	0.90	1.10	1.50	3.2	4.0	5.4	2.0	2.5	3.4
Clear_Sky	50	5	41	DIRT_ROAD	15	0.70	0.90	1.20	2.5	3.2	4.3	1.6	2.0	2.7
Clear_Sky	50	5	41	DIRT_ROAD	20	0.75	0.70	1.00	2.0	2.5	3.6	1.2	1.6	2.2
Clear_Sky	50	5 5	41	DIRT_ROAD	30	0.33	0.70	0.75	1.4	1.8	2.7	0.9	1.1	1.7
Clear_Sky Clear_Sky	50	5	41	DIRT_ROAD	40	0.30	0.40	0.75	1.1	1.4	2.0	0.7	0.9	1.2
_ •	50	5	41	DIRT_ROAD	50	0.30	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Clear_Sky	50	5	41	LOOSE_SAND	-50	0.50	0.65	0.90	1.8	2.3	3.2	1.1	1.5	2.0
Clear_Sky Clear_Sky	50	5	41	LOOSE_SAND	-40	0.60	0.75	1.05	2.2	2.7	3.8	1.3	1.7	2.4
_ •		5	41	LOOSE_SAND	-30	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Clear_Sky	50	5	41	LOOSE_SAND	-20	0.70	1.05	1.35	3.1	3.8	4.9	1.9	2.4	3.0
Clear_Sky	50			LOOSE_SAND	-15	0.95	1.10	1.40	3.4	4.0	5.0	2.1	2.5	3.1
Clear_Sky	50	5	41	LOOSE_SAND	-10	1.00	1.20	1.50	3.6	4.3	5.4	2.2	2.7	3.4
Clear_Sky	50	5	41	LOOSE_SAND	-10 -5		1.30	1.60	4.0	4.7	5.8	2.5	2.9	3.6
Clear_Sky	50	5	41			1.10		1						3.9
Clear_Sky	50	5	41	LOOSE_SAND	0	1.25	1.40	1.75	4.5	5.0	6.3	2.8	3.1 2.1	
Clear_Sky	50	5	41		5	0.80	0.95	1.25	2.9	3.4	4.5	1.8		2.8
Clear_Sky	50	5	41	LOOSE_SAND	10	0.50	0.65	0.90	1.8	2.3	3.2	1.1	1.5	2.0
Clear_Sky	50	5	41	LOOSE_SAND	15	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Clear_Sky	50	5	41	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Clear_Sky	50	5	41	LOOSE_SAND	30	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Clear_Sky	50	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	50	5	41	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table D-16. Maximum Sustainable Speed, Clear Sky, 50% Humidity, 10°C (50°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/f		Max Su (n	stainabl niles/hou	
						F	Risk Leve	əl	F	lisk Leve	el	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	50	10	50	BLACK_TOP	-50	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Clear_Sky	50	10	50	BLACK_TOP	-40	1.00	1.25	1.55	3.6	4.5	5.6	2.2	2.8	3.5
Clear_Sky	50	10	50	BLACK_TOP	-30	1.15	1.40	1.70	4.1	5.0	6.1	2.6	3.1	3.8
Clear_Sky	50	10	50	BLACK_TOP	-20	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Clear_Sky	50	10	50	BLACK_TOP	-15	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Clear_Sky	50	10	50	BLACK_TOP	-10	1.45	1.75	2.10	5.2	6.3	7.6	3.2	3.9	4.7
Clear_Sky	50	10	50	BLACK_TOP	-5	1.60	1.85	2.20	5.8	6.7	7.9	3.6	4.1	4.9
Clear_Sky	50	10	50	BLACK_TOP	0	1.70	1.95	2.30	6.1	7.0	8.3	3.8	4.4	5.2
Clear_Sky	50	10	50	BLACK_TOP	5	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Clear_Sky	50	10	50	BLACK_TOP	10	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Clear_Sky	50	10	50	BLACK_TOP	15	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Clear_Sky	50	10	50	BLACK_TOP	20	0.55	0.70	0.95	2.0	2.5	3.4	1.2	1.6	2.1
Clear_Sky	50	10	50	BLACK_TOP	30	0.35	0.50	0.70	1.3	1.8	2.5	0.8	1.1	1.6
Clear_Sky	50	10	50	BLACK_TOP	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Clear_Sky	50	10	50	BLACK_TOP	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Sky	50	10	50	DIRT_ROAD	-50	0.80	1.05	1.30	2.9	3.8	4.7	1.8	2.4	2.9
Clear_Sky	50	10	50	DIRT_ROAD	-40	0.95	1.15	1.45	3.4	4.1	5.2	2.1	2.6	3.2
Clear_Sky	50	10	50	DIRT_ROAD	-30	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Clear_Sky	50	10	50	DIRT_ROAD	-20	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Clear_Sky	50	10	50	DIRT_ROAD	-15	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Clear_Sky	50	10	50	DIRT_ROAD	-10	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Clear_Sky	50	10	50	DIRT_ROAD	-5	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Clear_Sky	50	10	50	DIRT_ROAD	0	1.60	1.90	2.20	5.8	6.8	7.9	3.6	4.3	4.9
Clear_Sky	50	10	50	DIRT_ROAD	5	1.15	1.40	1.70	4.1	5.0	6.1	2.6	3.1	3.8
Clear_Sky	50	10	50	DIRT_ROAD	10	0.80	1.05	1.30	2.9	3.8	4.7	1.8	2.4	2.9
Clear_Sky	50	10	50	DIRT_ROAD	15	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Clear_Sky	50	10	50	DIRT_ROAD	20	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Clear_Sky	50	10	50	DIRT_ROAD	30	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Clear_Sky	50	10	50	DIRT_ROAD	40	0.25	0.35	0.50	0.9	1.3	1.8	0.6	8.0	1.1
Clear_Sky	50	10	50	DIRT_ROAD	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Sky	50	10	50	LOOSE_SAND	-50	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Clear_Sky	50	10	50	LOOSE_SAND	-40	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Clear_Sky	50	10	50	LOOSE_SAND	-30	0.65	0.80	1.05	2.3	2.9	3.8	1.5	1.8	2.4
Clear_Sky	50	10	50	LOOSE_SAND	-20	0.80	0.95	1.20	2.9	3.4	4.3	1.8	2.1	2.7
Clear_Sky	50	10	50	LOOSE_SAND	-15	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Clear_Sky	50	10	50	LOOSE_SAND	-10	0.95	1.15	1.35	3.4	4.1	4.9	2.1	2.6	3.0
Clear_Sky	50	10	50	LOOSE_SAND	-5	1.05	1.25	1.45	3.8	4.5	5.2	2.4	2.8	3.2
Clear_Sky	50	10	50	LOOSE_SAND	0	1.15	1.35	1.60	4.1	4.9	5.8	2.6	3.0	3.6
Clear_Sky	50	10	50	LOOSE_SAND	5	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Clear_Sky	50	10	50	LOOSE_SAND	10	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Clear_Sky	50	10	50	LOOSE_SAND	15	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Clear_Sky	50	10	50	LOOSE_SAND	20	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Clear_Sky	50	10	50	LOOSE_SAND	30	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Clear_Sky	50	10	50	LOOSE_SAND	40	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Clear_Sky	50	10	50	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table D-17. Maximum Sustainable Speed, Clear Sky, 50% Humidity, 15°C (59°F)

Cloud			°F	Terrain Type	Grade (%)		stainable ters/seco		(kilo	stainable meters/h	our)	(r	stainabl	ır)
						F	Risk Leve	l	F	Risk Leve	el	1	Risk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_S	ky 50	15	59	BLACK_TOP	-50	0.80	1.05	1.25	2.9	3.8	4.5	1.8	2.4	2.8
Clear_S	ky 50	15	59	BLACK_TOP	-40	0.90	1.15	1.40	3.2	4.1	5.0	2.0	2.6	3.1
Clear_S	ky 50	15	59	BLACK_TOP	-30	1.00	1.30	1.55	3.6	4.7	5.6	2.2	2.9	3.5
Clear_Si	ky 50	15	59	BLACK_TOP	-20	1.20	1.45	1.70	4.3	5.2	6.1	2.7	3.2	3.8
Clear_Si	ky 50	15	59	BLACK_TOP	-15	1.25	1.55	1.80	4.5	5.6	6.5	2.8	3.5	4.0
Clear_SI	ky 50	15	59	BLACK_TOP	-10	1.35	1.65	1.90	4.9	5.9	6.8	3.0	3.7	4.3
Clear_Si	ky 50	15	59	BLACK_TOP	- 5	1.45	1.75	2.00	5.2	6.3	7.2	3.2	3.9	4.5
Clear_Si	ky 50	15	59	BLACK_TOP	0	1.60	1.85	2.10	5.8	6.7	7.6	3.6	4.1	4.7
Clear_SI	ky 50	15	59	BLACK_TOP	5	1.10	1.35	1.60	4.0	4.9	5.8	2.5	3.0	3.6
Clear_Si	cy 50	15	59	BLACK_TOP	10	0.80	1.05	1.25	2.9	3.8	4.5	1.8	2.4	2.8
Clear_Si	ky 50	15	59	BLACK_TOP	15	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Clear_SI	ky 50	15	59	BLACK_TOP	20	0.45	0.65	0.80	1.6	2.3	2.9	1.0	1.5	1.8
Clear_SI	ky 50	15	59	BLACK_TOP	30	0.30	0.45	0.60	1.1	1.6	2.2	0.7	1.0	1.3
Clear_SI	ky 50	15	59	BLACK_TOP	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Clear_Si	cy 50	15	59	BLACK_TOP	50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Clear_SI	ky 50	15	59	DIRT_ROAD	-50	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Clear_SI	ry 50	15	59	DIRT_ROAD	-40	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Clear_SI	cy 50	15	59	DIRT_ROAD	-30	0.95	1.20	1.45	3.4	4.3	5.2	2.1	2.7	3.2
Clear_SI	cy 50	15	59	DIRT_ROAD	-20	1.10	1.35	1.60	4.0	4.9	5.8	2.5	3.0	3.6
Clear_SI	cy 50	15	59	DIRT_ROAD	-15	1.20	1.45	1.70	4.3	5.2	6.1	2.7	3.2	3.8
Clear_Si	ky 50	15	59	DIRT_ROAD	-10	1.30	1.55	1.80	4.7	5.6	6.5	2.9	3.5	4.0
Clear_Si	ky 50	15	59	DIRT_ROAD	-5	1.40	1.65	1.90	5.0	5.9	6.8	3.1	3.7	4.3
Clear_SI	cy 50	15	59	DIRT_ROAD	0	1.50	1.75	2.00	5.4	6.3	7.2	3.4	3.9	4.5
Clear_SI	y 50	15	59	DIRT_ROAD	5	1.05	1.30	1.50	3.8	4.7	5.4	2.4	2.9	3.4
Clear_SI	cy 5 0	15	59	DIRT_ROAD	10	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Clear_SI	cy 50	15	59	DIRT_ROAD	15	0.55	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Clear_Si	cy 50	15	59	DIRT_ROAD	20	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Clear_SI	y 50	15	59	DIRT_ROAD	30	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Clear_SI	y 50	15	59	DIRT_ROAD	40	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_SI	cy 50	15	59	DIRT_ROAD	50	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Clear_SI	y 50			LOOSE_SAND	-50	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Clear_SI	-	15	59	LOOSE_SAND	-40	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Clear_SI	y 50	15		LOOSE_SAND	-30	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Clear_Si	-			LOOSE_SAND	-20	0.70	0.90	1.05	2.5	3.2	3.8	1.6	2.0	2.4
Clear_Sl	-			LOOSE_SAND	-15	0.80	0.95	1.15	2.9	3.4	4.1	1.8	2.1	2.6
Clear_Sl	-			LOOSE_SAND	-10	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Clear_Sl	-			LOOSE_SAND	-5	0.95	1.15	1.35	3.4	4.1	4.9	2.1	2.6	3.0
Clear_Sl	-			LOOSE_SAND	0	1.10	1.30	1.45	4.0	4.7	5.2	2.5	2.9	3.2
Clear_Sl	-			LOOSE_SAND	5	0.65	0.80	1.00	2.3	2.9	3.6	1.5	1.8	2.2
Clear_Si	-			LOOSE_SAND	10	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Clear_Si				LOOSE_SAND	15	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Clear_Sl	-			LOOSE_SAND	20	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Si	-			LOOSE_SAND	30	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Si	-			LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sk	y 50	15	59	LOOSE_SAND	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3

Table D-18. Maximum Sustainable Speed, Clear Sky, 50% Humidity, 20°C (68°F)

Clou		RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/h		Max Su (n	stainabl	
							ı	isk Leve	el	F	Risk Leve	el	F	lisk Leve	el
							Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_9	Sky	50	20	68	BLACK_TOP	-50	0.70	0.95	1.05	2.5	3.4	3.8	1.6	2.1	2.4
Clear_	Sky	50	20	68	BLACK_TOP	-40	0.80	1.05	1.20	2.9	3.8	4.3	1.8	2.4	2.7
Clear_5	Sky	50	20	68	BLACK_TOP	-30	0.90	1.20	1.35	3.2	4.3	4.9	2.0	2.7	3.0
Clear_S	Sky	50	20	68	BLACK_TOP	-20	1.05	1.35	1.50	3.8	4.9	5.4	2.4	3.0	3.4
Clear_5	Sky	50	20	68	BLACK_TOP	-15	1.15	1.45	1.60	4.1	5.2	5.8	2.6	3.2	3.6
Clear_S	Sky	50	20	68	BLACK_TOP	-10	1.25	1.55	1.70	4.5	5.6	6.1	2.8	3.5	3.8
Clear_S	Sky	50	20	68	BLACK_TOP	-5	1.35	1.65	1.80	4.9	5.9	6.5	3.0	3.7	4.0
Clear_S	Sky	50	20	68	BLACK_TOP	0	1.45	1.75	1.90	5.2	6.3	6.8	3.2	3.9	4.3
Clear_9	Sky	50	20	68	BLACK_TOP	5	1.00	1.25	1.40	3.6	4.5	5.0	2.2	2.8	3.1
Clear_9	Sky	50	20	6 8	BLACK_TOP	10	0.70	0.95	1.05	2.5	3.4	3.8	1.6	2.1	2.4
Clear_S	Sky	50	20	68	BLACK_TOP	15	0.50	0.70	0.85	1.8	2.5	3.1	1.1	1.6	1.9
Clear_9	Sky	50	20	68	BLACK_TOP	20	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Clear_9	Sky	50	20	68	BLACK_TOP	30	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Clear_9	Sky	50	20	68	BLACK_TOP	40	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	8.0
Clear_8	Sky	50	20	68	BLACK_TOP	50	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Clear_S	Sky	50	20	68	DIRT_ROAD	-50	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
Clear_S	Sky	50	20	68	DIRT_ROAD	-40	0.75	0.95	1.10	2.7	3.4	4.0	1.7	2.1	2.5
Clear_S	Sky	50	20	68	DIRT_ROAD	-30	0.85	1.10	1.25	3.1	4.0	4.5	1.9	2.5	2.8
Clear_S	Sky	50	20	68	DIRT_ROAD	-20	1.00	1.25	1.40	3.6	4.5	5.0	2.2	2.8	3.1
Clear_S	Sky	50	20	68	DIRT_ROAD	-15	1.10	1.35	1.50	4.0	4.9	5.4	2.5	3.0	3.4
Clear_S	Sky	50	20	68	DIRT_ROAD	-10	1.15	1.45	1.60	4.1	5.2	5.8	2.6	3.2	3.6
Clear_S	Sky	50	20	68	DIRT_ROAD	-5	1.30	1.55	1.70	4.7	5.6	6.1	2.9	3.5	3.8
Clear_S	Sky	50	20	68	DIRT_ROAD	0	1.40	1.65	1.80	5.0	5.9	6.5	3.1	3.7	4.0
Clear_S	Sky	50	20	68	DIRT_ROAD	5	0.90	1.20	1.35	3.2	4.3	4.9	2.0	2.7	3.0
Clear_S	Sky	50	20	68	DIRT_ROAD	10	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
Clear_S	Sky	50	20	68	DIRT_ROAD	15	0.45	0.65	0.75	1.6	2.3	2.7	1.0	1.5	1.7
Clear_S	Sky	50	20	68	DIRT_ROAD	20	0.35	0.50	0.60	1.3	1.8	2.2	0.8	1.1	1.3
Clear_S	Sky	50	20	68	DIRT_ROAD	30	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Clear_S	Sky	50	20	6 8	DIRT_ROAD	40	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Clear_S	Sky	50	20	68	DIRT_ROAD	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_S	Sky	50	20	68	LOOSE_SAND	-50	0.35	0.50	0.60	1.3	1.8	2.2	8.0	1.1	1.3
Clear_S	Sky	50	20	68	LOOSE_SAND	-40	0.45	0.60	0.65	1.6	2.2	2.3	1.0	1.3	1.5
Clear_S	ŝky	50	20	68	LOOSE_SAND	-30	0.50	0.70	0.80	1.8	2.5	2.9	1.1	1.6	1.8
Clear_S	Sky	50	20	68	LOOSE_SAND	-20	0.65	0.80	0.90	2.3	2.9	3.2	1.5	1.8	2.0
Clear_S	Sky	50	20	68	LOOSE_SAND	-15	0.70	0.90	1.00	2.5	3.2	3.6	1.6	2.0	2.2
Clear_S	-	50	20	68	LOOSE_SAND	-10	0.80	1.00	1.10	2.9	3.6	4.0	1.8	2.2	2.5
Clear_S	-	50	20	68	LOOSE_SAND	-5	0.90	1.10	1.20	3.2	4.0	4.3	2.0	2.5	2.7
Clear_S	ky	50	20	68	LOOSE_SAND	0	1.00	1.20	1.30	3.6	4.3	4.7	2.2	2.7	2.9
Clear_S	ky	50	20	68	LOOSE_SAND	5	0.55	0.75	0.85	2.0	2.7	3.1	1.2	1.7	1.9
Clear_S	ky	50	20	68	LOOSE_SAND	10	0.35	0.50	0.60	1.3	1.8	2.2	8.0	1.1	1.3
Clear_S	ky	50	20	68	LOOSE_SAND	15	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Clear_S	iky	50	20	68	LOOSE_SAND	20	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Clear_S	ky	50	20	68	LOOSE_SAND	30	0.10	0.20	0.20	0.4	0.7	0.7	0.2	0.4	0.4
Clear_S	ky	50	20	68	LOOSE_SAND	40	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
Clear_S	iky	50	20	68	LOOSE_SAND	50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3

Table D-19. Maximum Sustainable Speed, Clear Sky, 50% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabi ters/sec	e Speed ond)		stainable meters/f			stainabl niles/hou	e Speed ur)
						F	lisk Lev	el	F	Risk Leve	el	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	50	25	77	BLACK_TOP	-50	0.60	0.75	0.85	2.2	2.7	3.1	1.3	1.7	1.9
Clear_Sky	50	25	77	BLACK_TOP	-40	0.70	0.85	1.00	2.5	3.1	3.6	1.6	1.9	2.2
Clear_Sky	50	25	77	BLACK_TOP	-30	0.80	0.95	1.10	2.9	3.4	4.0	1.8	2.1	2.5
Clear_Sky	50	25	77	BLACK_TOP	-20	0.95	1.10	1.25	3.4	4.0	4.5	2.1	2.5	2.8
Clear_Sky	50	25	77	BLACK_TOP	-15	1.00	1.20	1.35	3.6	4.3	4.9	2.2	2.7	3.0
Clear_Sky	50	25	77	BLACK_TOP	-10	1.10	1.30	1.45	4.0	4.7	5.2	2.5	2.9	3.2
Clear_Sky	50	25	77	BLACK_TOP	- 5	1.20	1.40	1.55	4.3	5.0	5.6	2.7	3.1	3.5
Clear_Sky	50	25	77	BLACK_TOP	0	1.35	1.50	1.65	4.9	5.4	5.9	3.0	3.4	3.7
Clear_Sky	50	25	77	BLACK_TOP	5	0.85	1.05	1.20	3.1	3.8	4.3	1.9	2.4	2.7
Clear_Sky	50	25	77	BLACK_TOP	10	0.60	0.75	0.85	2.2	2.7	3.1	1.3	1.7	1.9
Clear_Sky	50	25	77	BLACK_TOP	15	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Clear_Sky	50	25	77	BLACK_TOP	20	0.35	0.45	0.50	1.3	1.6	1.8	0.8	1.0	1.1
Clear_Sky	50	25	77	BLACK_TOP	30	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Clear_Sky	50	25	77	BLACK_TOP	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	50	25	77	BLACK_TOP	50	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Clear_Sky	50	25	77	DIRT_ROAD	-50	0.55	0.70	0.80	2.0	2.5	2.9	1.2	1.6	1.8
Clear_Sky	50	25	77	DIRT_ROAD	-40	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
Clear_Sky	50	25	77	DIRT_ROAD	-30	0.75	0.90	1.05	2.7	3.2	3.8	1.7	2.0	2.4
Clear_Sky	50	25	77	DIRT_ROAD	-20	0.90	1.05	1.20	3.2	3.8	4.3	2.0	2.4	2.7
Clear_Sky	50	25	77	DIRT_ROAD	-15	0.95	1.10	1.30	3.4	4.0	4.7	2.1	2.5	2.9
Clear_Sky	50	25	77	DIRT_ROAD	-10	1.05	1.20	1.35	3.8	4.3	4.9	2.4	2.7	3.0
Clear_Sky	50	25	77	DIRT_ROAD	-5	1.15	1.30	1.50	4.1	4.7	5.4	2.6	2.9	3.4
Clear_Sky	50	25	77	DIRT_ROAD	0	1.25	1.45	1.60	4.5	5.2	5.8	2.8	3.2	3.6
Clear_Sky	50	25	77	DIRT_ROAD	5	0.80	0.95	1.10	2.9	3.4	4.0	1.8	2.1	2.5
Clear_Sky	50	25	77	DIRT_ROAD	10	0.55	0.70	0.80	2.0	2.5	2.9	1.2	1.6	1.8
Clear_Sky	50	25	77	DIRT_ROAD	15	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Clear_Sky	50	25	77	DIRT_ROAD	20	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Clear_Sky	50	25	77	DIRT_ROAD	30	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Clear_Sky	50	25	77	DIRT_ROAD	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	50	25	77	DIRT_ROAD	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	50	25	77	LOOSE_SAND	-50	0.30	0.40	0.45	1.1	1.4	1.6	0.7	0.9	1.0
Clear_Sky	50	25	77	LOOSE_SAND	-40	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Clear_Sky	50	25	77	LOOSE_SAND	-30	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Clear_Sky	50	25	77	LOOSE_SAND	-20	0.55	0.65	0.75	2.0	2.3	2.7	1.2	1.5	1.7
Clear_Sky	50	25	77	LOOSE_SAND	-15	0.60	0.75	0.85	2.2	2.7	3.1	1.3	1.7	1.9
Clear_Sky	50	25	77	LOOSE_SAND	-10	0.70	0.80	0.95	2.5	2.9	3.4	1.6	1.8	2.1
Clear_Sky	50	25	77	LOOSE_SAND	-5	0.80	0.90	1.05	2.9	3.2	3.8	1.8	2.0	2.4
Clear_Sky	50	25	77	LOOSE_SAND	0	0.90	1.05	1.15	3.2	3.8	4.1	2.0	2.4	2.6
Clear_Sky	50	25	77	LOOSE_SAND	5	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
Clear_Sky	50	25	77	LOOSE_SAND	10	0.30	0.40	0.45	1.1	1.4	1.6	0.7	0.9	1.0
Clear_Sky	50	25	77	LOOSE_SAND	15	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Clear_Sky	50	25	77	LOOSE_SAND	20	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	50	25	77	LOOSE_SAND	30	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
Clear_Sky	50	25	77	LOOSE_SAND	40	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Clear_Sky	50	25	77	LOOSE_SAND	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2

Table D-20. Maximum Sustainable Speed, Clear Sky, 50% Humidity, 30°C (86°F)

Γ	Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	e Speed ond)		stainabl meters/l	e Speed nour)		stainabl	e Speed ur)
ı							1	Risk Lev	el	F	lisk Lev	el	F	Risk Lev	el
ı							Low	Mod	High	Low	Mod	High	Low	Mod	High
Γ	Clear_Sky	50	30	86	BLACK_TOP	-50	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
ı	Clear_Sky	50	30	86	BLACK_TOP	-40	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
	Clear_Sky	50	30	86	BLACK_TOP	-30	0.60	0.70	0.85	2.2	2.5	3.1	1.3	1.6	1.9
l	Clear_Sky	50	30	86	BLACK_TOP	-20	0.75	0.80	0.95	2.7	2.9	3.4	1.7	1.8	2.1
	Clear_Sky	50	30	86	BLACK_TOP	-15	0.80	0.90	1.05	2.9	3.2	3.8	1.8	2.0	2.4
ı	Clear_Sky	50	30	86	BLACK_TOP	-10	0.90	1.00	1.15	3.2	3.6	4.1	2.0	2.2	2.6
ı	Clear_Sky	50	30	86	BLACK_TOP	-5	1.00	1.10	1.25	3.6	4.0	4.5	2.2	2.5	2.8
	Clear_Sky	50	30	86	BLACK_TOP	0	1.10	1.20	1.35	4.0	4.3	4.9	2.5	2.7	3.0
	Clear_Sky	50	30	86	BLACK_TOP	5	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
l	Clear_Sky	50	30	86	BLACK_TOP	10	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
	Clear_Sky	50	30	86	BLACK_TOP	15	0.30	0.35	0.45	1.1	1.3	1.6	0.7	8.0	1.0
ı	Clear_Sky	50	30	86	BLACK_TOP	20	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	8.0
ı	Clear_Sky	50	30	86	BLACK_TOP	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
ı	Clear_Sky	50	30	86	BLACK_TOP	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
l	Clear_Sky	50	30	86	BLACK_TOP	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
	Clear_Sky	50	30	86	DIRT_ROAD	-50	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
	Clear_Sky	50	30	86	DIRT_ROAD	-40	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
	Clear_Sky	50	30	86	DIRT_ROAD	-30	0.55	0.65	0.75	2.0	2.3	2.7	1.2	1.5	1.7
	Clear_Sky	50	30	86	DIRT_ROAD	-20	0.70	0.75	0.90	2.5	2.7	3.2	1.6	1.7	2.0
ĺ	Clear_Sky	50	30	86	DIRT_ROAD	-15	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
	Clear_Sky	50	30	86	DIRT_ROAD	-10	0.85	0.95	1.10	3.1	3.4	4.0	1.9	2.1	2.5
	Clear_Sky	50	30	86	DIRT_ROAD	-5	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
	Clear_Sky	50	30	86	DIRT_ROAD	0	1.05	1.15	1.30	3.8	4.1	4.7	2.4	2.6	2.9
	Clear_Sky	50	30	86	DIRT_ROAD	5	0.60	0.70	0.85	2.2	2.5	3.1	1.3	1.6	1.9
	Clear_Sky	50	30	86	DIRT_ROAD	10	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
	Clear_Sky	50	30	86	DIRT_ROAD	15	0.30	0.35	0.40	1.1	1.3	1.4	0.7	8.0	0.9
	Clear_Sky	50	30	86	DIRT_ROAD	20	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
	Clear_Sky	50	30	86	DIRT_ROAD	30	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
	Clear_Sky	50	30	86	DIRT_ROAD	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
	Clear_Sky	50	30	86	DIRT_ROAD	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
	Clear_Sky	50	30	86	LOOSE_SAND	-50	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
	Clear_Sky	50	30	86	LOOSE_SAND	-40	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
1	Clear_Sky	50	30	86	LOOSE_SAND	-30	0.35	0.35	0.45	1.3	1.3	1.6	8.0	0.8	1.0
	Clear_Sky	50	30	86	LOOSE_SAND	-20	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
1	Clear_Sky	50	30	86	LOOSE_SAND	-15	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
	Clear_Sky	50	30	86	LOOSE_SAND	-10	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
	Clear_Sky	50	30	86	LOOSE_SAND	-5	0.65	0.70	0.80	2.3	2.5	2.9	1.5	1.6	1.8
	Clear_Sky	50	30	86	LOOSE_SAND	0	0.75	0.80	0.95	2.7	2.9	3.4	1.7	1.8	2.1
	Clear_Sky	50	30	86	LOOSE_SAND	5	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
	Clear_Sky	50	30	86	LOOSE_SAND	10	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
	Clear_Sky	50	30	86	LOOSE_SAND	15	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
	Clear_Sky	50	30	86	LOOSE_SAND	20	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
	Clear_Sky	50	30	86	LOOSE_SAND	30	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
	Clear_Sky	50	30	86	LOOSE_SAND	40	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1
-	Clear_Sky	50	30	86	LOOSE_SAND	50	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1

Table D-21. Maximum Sustainable Speed, Clear Sky, 50% Humidity, 35°C (95°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	ters/sec		(kilo	meters/f	our)	(n	niles/hou	
V						F	lisk Leve	əl	F	lisk Leve	əl	F	Risk Lev	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	50	35	95	BLACK_TOP	-50	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	50	35	95	BLACK_TOP	-40	0.15	0.25	0.40	0.5	0.9	1.4	0.3	0.6	0.9
Clear_Sky	50	35	9 5	BLACK_TOP	-30	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Clear_Sky	50	35	95	BLACK_TOP	-20	0.30	0.40	0.60	1.1	1.4	2.2	0.7	0.9	1.3
Clear_Sky	50	35	95	BLACK_TOP	-15	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Clear_Sky	50	35	95	BLACK_TOP	-10	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Clear_Sky	50	35	95	BLACK_TOP	- 5	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Clear_Sky	50	35	95	BLACK_TOP	0	0.60	0.75	0.95	2.2	2.7	3.4	1.3	1.7	2.1
Clear_Sky	50	35	95	BLACK_TOP	5	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Clear_Sky	50	35	95	BLACK_TOP	10	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	50	35	95	BLACK_TOP	15	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	50	35	95	BLACK_TOP	20	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Clear_Sky	50	35	95	BLACK_TOP	30	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Clear_Sky	50	35	95	BLACK_TOP	40	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1
Clear_Sky	50	35	95	BLACK_TOP	50	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Clear_Sky	50	35	95	DIRT_ROAD	-50	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	50	35	95	DIRT_ROAD	-40	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	8.0
Clear_Sky	50	35	95	DIRT_ROAD	-30	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Clear_Sky	50	35	95	DIRT_ROAD	-20	0.30	0.35	0.55	1.1	1.3	2.0	0.7	8.0	1.2
Clear_Sky	50	35	95	DIRT_ROAD	-15	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Clear_Sky	50	35	95	DIRT_ROAD	-10	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Clear_Sky	50	35	95	DIRT_ROAD	-5	0.50	0.60	0.80	1.8	2.2	2.9	1.1	1.3	1.8
Clear_Sky	50	35	95	DIRT_ROAD	0	0.60	0.70	0.90	2.2	2.5	3.2	1.3	1.6	2.0
Clear_Sky	50	35	95	DIRT_ROAD	5	0.25	0.30	0.50	0.9	1.1	1.8	0.6	0.7	1.1
Clear_Sky	50	35	95	DIRT_ROAD	10	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	50	35	95	DIRT_ROAD	15	0.10	0.10	0.20	0.4	0.4	0.7	0.2	0.2	0.4
Clear_Sky	50	35	95	DIRT_ROAD	20	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Clear_Sky	50	35	95	DIRT_ROAD	30	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Clear_Sky	50	35	95	DIRT_ROAD	40	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1
Clear_Sky	50	35	95	DIRT_ROAD	50	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Clear_Sky	50	35	95	LOOSE_SAND	-50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Clear_Sky	50	35	95	LOOSE_SAND	-40	0.05	0.10	0.20	0.2	0.4	0.7	0.1	0.2	0.4
Clear_Sky	50	35	95	LOOSE_SAND	-30	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Clear_Sky	50	35	95	LOOSE_SAND	-20	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	50	3 5	95	LOOSE_SAND	-15	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Clear_Sky	50	35	95	LOOSE_SAND	-10	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Clear_Sky	50	35	95	LOOSE_SAND	-5	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Clear_Sky	50	35	95	LOOSE_SAND	0	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Clear_Sky	50	35	95	LOOSE_SAND	5	0.10	0.20	0.30	0.4	0.7	1.1	0.2	0.4	0.7
Clear_Sky	50	35	95	LOOSE_SAND	10	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Clear_Sky	50	35	95	LOOSE_SAND	15	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Clear_Sky	50	35	95	LOOSE_SAND	20	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1
Clear_Sky	50	35	95	LOOSE_SAND	30	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Clear_Sky	50	35	95	LOOSE_SAND	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	50	35	95	LOOSE_SAND	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0

Table D-22. Maximum Sustainable Speed, Clear Sky, 75 % Humidity, 5° C (41° F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco			stainabl meters/l	e Speed nour)		stainabl	e Speed ur)
						F	isk Leve	əl	F	lisk Lev	el	F	Risk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	75	5	41	BLACK_TOP	-50	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Clear_Sky	75	5	41	BLACK_TOP	-40	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Clear_Sky	7 5	5	41	BLACK_TOP	-30	1.20	1.50	1.80	4.3	5.4	6.5	2.7	3.4	4.0
Clear_Sky	75	5	41	BLACK_TOP	-20	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Clear_Sky	75	5	41	BLACK_TOP	-15	1.45	1.75	2.10	5.2	6.3	7.6	3.2	3.9	4.7
Clear_Sky	75	5	41	BLACK_TOP	-10	1.55	1.85	2.20	5.6	6.7	7.9	3.5	4.1	4.9
Clear_Sky	75	5	41	BLACK_TOP	- 5	1.70	1.95	2.30	6.1	7.0	8.3	3.8	4.4	5.2
Clear_Sky	7 5	5	41	BLACK_TOP	0	1.80	2.05	2.40	6.5	7.4	8.6	4.0	4.6	5.4
Clear_Sky	75	5	41	BLACK_TOP	5	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Clear_Sky	75	5	41	BLACK_TOP	10	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Clear_Sky	75	5	41	BLACK_TOP	15	0.75	0.95	1.25	2.7	3.4	4.5	1.7	2.1	2.8
Clear_Sky	75	5	41	BLACK_TOP	20	0.60	0.75	1.00	2.2	2.7	3.6	1.3	1.7	2.2
Clear_Sky	75	5	41	BLACK_TOP	30	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Clear_Sky	75	5	41	BLACK_TOP	40	0.30	0.40	0.60	1.1	1.4	2.2	0.7	0.9	1.3
Clear_Sky	75	5	41	BLACK_TOP	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Clear_Sky	7 5	5	41	DIRT_ROAD	-50	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Clear_Sky	75	5	41	DIRT_ROAD	-40	1.00	1.25	1.55	3.6	4.5	5.6	2.2	2.8	3.5
Clear_Sky	75	5	41	DIRT_ROAD	-30	1.15	1.40	1.70	4.1	5.0	6.1	2.6	3.1	3.8
Clear_Sky	75	5	41	DIRT_ROAD	-20	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Clear_Sky	75	5 -	41	DIRT_ROAD	-15	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Clear_Sky	7 5	5	41	DIRT_ROAD	-10	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Clear_Sky	7 5	5	41	DIRT_ROAD	-5	1.60	1.85	2.20	5.8	6.7	7.9	3.6	4.1	4.9
Clear_Sky	7 5	5	41	DIRT_ROAD	0	1.70	1.95	2.30	6.1	7.0	8.3	3.8	4.4	5.2
Clear_Sky	75	5	41	DIRT_ROAD	5	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Clear_Sky	75	5	41	DIRT_ROAD	10	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Clear_Sky	75	5	41	DIRT_ROAD	15	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Clear_Sky	75	5	41	DIRT_ROAD	20	0.55	0.70	0.95	2.0	2.5	3.4	1.2	1.6	2.1
Clear_Sky	75	5	41	DIRT_ROAD	30	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Clear_Sky	7 5	5	41	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Clear_Sky	75	5	41	DIRT_ROAD	50	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Clear_Sky	75	5	41	LOOSE_SAND	-50	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Clear_Sky	75	5	41	LOOSE_SAND	-40	0.60	0.75	0.95	2.2	2.7	3.4	1.3	1.7	2.1
Clear_Sky	75	5	41	LOOSE_SAND	-30	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Clear_Sky	75	5	41	LOOSE_SAND	-20	0.85	1.00	1.25	3.1	3.6	4.5	1.9	2.2	2.8
Clear_Sky	7 5	5	41	LOOSE_SAND	-15	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
Clear_Sky	75	5	41	LOOSE_SAND	-10	1.00	1.20	1.45	3.6	4.3	5.2	2.2	2.7	3.2
Clear_Sky	75	5	41	LOOSE_SAND	-5	1.10	1.30	1.55	4.0	4.7	5.6	2.5	2.9	3.5
Clear_Sky	75	5	41	LOOSE_SAND	0	1.25	1.40	1.65	4.5	5.0	5.9	2.8	3.1	3.7
Clear_Sky	75	5	41	LOOSE_SAND	5	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Clear_Sky	75	5	41	LOOSE_SAND	10	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Clear_Sky	7 5	5	41	LOOSE_SAND	15	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Clear_Sky	75	5	41	LOOSE_SAND	20	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Clear_Sky	7 5	5	41	LOOSE_SAND	30	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Clear_Sky	75	5	41	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	7 5	5	41	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table D-23. Maximum Sustainable Speed, Clear Sky, 75% Humidity, 10°C (50°F)

Clou		RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainable ters/sec	ond)		stainable meters/l		(r	niles/ho	ur)
								Risk Leve	əl	F	Risk Leve	el		Risk Lev	el
							Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear	Sky	75	10	50	BLACK_TOP	-50	0.85	1.10	1.35	3.1	4.0	4.9	1.9	2.5	3.0
Clear_	Sky	75	10	50	BLACK_TOP	-40	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Clear_	Sky	75	10	50	BLACK_TOP	-30	1.10	1.40	1.65	4.0	5.0	5.9	2.5	3.1	3.7
Clear_	Sky	75	10	50	BLACK_TOP	-20	1.25	1.55	1.80	4.5	5.6	6.5	2.8	3.5	4.0
Clear_	Sky	75	10	50	BLACK_TOP	-15	1.35	1.65	1.90	4.9	5.9	6.8	3.0	3.7	4.3
Clear_	Sky	75	10	50	BLACK_TOP	-10	1.45	1.75	2.00	5.2	6.3	7.2	3.2	3.9	4.5
Clear_	Sky	75	10	50	BLACK_TOP	-5	1.55	1.85	2.10	5.6	6.7	7.6	3.5	4.1	4.7
Clear_	Sky	75	10	50	BLACK_TOP	0	1.70	1.95	2.25	6.1	7.0	8.1	3.8	4.4	5.0
Clear_	Sky	75	10	50	BLACK_TOP	5	1.20	1.45	1.75	4.3	5.2	6.3	2.7	3.2	3.9
Clear_	Sky	75	10	50	BLACK_TOP	10	0.85	1.10	1.35	3.1	4.0	4.9	1.9	2.5	3.0
Clear_	Sky	75	10	50	BLACK_TOP	15	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Clear_	Sky	75	10	50	BLACK_TOP	20	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Clear_	Sky	75	10	50	BLACK_TOP	30	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Clear_	Sky	75	10	50	BLACK_TOP	40	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Clear_	-	75	10	50	BLACK_TOP	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_	-	75	10	50	DIRT_ROAD	-50	0.80	1.05	1.25	2.9	3.8	4.5	1.8	2.4	2.8
Clear_	-	75	10	50	DIRT_ROAD	-40	0.90	1.15	1.40	3.2	4.1	5.0	2.0	2.6	3.1
Clear_	Sky	7 5	10	50	DIRT_ROAD	-30	1.05	1.30	1.55	3.8	4.7	5.6	2.4	2.9	3.5
Clear_		75	10	50	DIRT_ROAD	-20	1.20	1.45	1.70	4.3	5.2	6.1	2.7	3.2	3.8
Clear_		75	10	50	DIRT_ROAD	-15	1.30	1.55	1.80	4.7	5.6	6.5	2.9	3.5	4.0
Clear_	Sky	75	10	50	DIRT_ROAD	-10	1.40	1.65	1.90	5.0	5.9	6.8	3.1	3.7	4.3
Clear_	Sky	75	10	50	DIRT_ROAD	-5	1.50	1.75	2.00	5.4	6.3	7.2	3.4	3.9	4.5
Clear_	Sky	75	10	50	DIRT_ROAD	0	1.60	1.85	2.15	5.8	6.7	7.7	3.6	4.1	4.8
Clear_	Sky	75	10	50	DIRT_ROAD	5	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Clear_	Sky	75	10	50	DIRT_ROAD	10	0.80	1.05	1.25	2.9	3.8	4.5	1.8	2.4	2.8
Clear_	Sky	75	10	50	DIRT_ROAD	15	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Clear_	Sky	75	10	50	DIRT_ROAD	20	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Clear_	Sky	75	10	50	DIRT_ROAD	30	0.35	0.45	0.60	1.3	1.6	2.2	8.0	1.0	1.3
Clear_	Sky	75	10	50	DIRT_ROAD	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Clear_S	Sky	75	10	50	DIRT_ROAD	50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Clear_S	Sky	75	10	50	LOOSE_SAND	-50	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Clear_5	Sky	75	10	50	LOOSE_SAND	-40	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Clear_S	Sky	75	10	50	LOOSE_SAND	-30	0.65	0.80	1.00	2.3	2.9	3.6	1.5	1.8	2.2
Clear_S	Sky	7 5	10	50	LOOSE_SAND	-20	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Clear_S	Sky	75	10	50	LOOSE_SAND	-15	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Clear_9	Sky	75	10	50	LOOSE_SAND	-10	0.95	1.15	1.30	3.4	4.1	4.7	2.1	2.6	2.9
Clear_S	Sky	75	10	50	LOOSE_SAND	-5	1.05	1.25	1.40	3.8	4.5	5.0	2.4	2.8	3.1
Clear_S	Sky	75	10	50	LOOSE_SAND	0	1.15	1.35	1.55	4.1	4.9	5.6	2.6	3.0	3.5
Clear_9	Sky	75	10	50	LOOSE_SAND	5	0.70	0.90	1.05	2.5	3.2	3.8	1.6	2.0	2.4
Clear_9	Sky	75	10	50	LOOSE_SAND	10	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Clear_S	Sky	75	10	50	LOOSE_SAND	15	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Clear_S	Sky	75	10	50	LOOSE_SAND	20	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Clear_S	Sky	75	10	50	LOOSE_SAND	30	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Clear_S	Sky	75	10	50	LOOSE_SAND	40	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Clear_S	Sky	75	10	50	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table D-24. Maximum Sustainable Speed, Clear Sky, 75% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec		Max Su (kilo	stainabl meters/l			stainabi niies/hou	
						F	lisk Lev	el	F	lisk Leve	el	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	75	15	59	BLACK_TOP	-50	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Clear_Sky	75	15	59	BLACK_TOP	-40	0.90	1.15	1.30	3.2	4.1	4.7	2.0	2.6	2.9
Clear_Sky	75	15	59	BLACK_TOP	-30	1.00	1.25	1.45	3.6	4.5	5.2	2.2	2.8	3.2
Clear_Sky	75	15	59	BLACK_TOP	-20	1.15	1.45	1.60	4.1	5.2	5.8	2.6	3.2	3.6
Clear_Sky	75	15	59	BLACK_TOP	-15	1.25	1.55	1.70	4.5	5.6	6.1	2.8	3.5	3.8
Clear_Sky	75	15	59	BLACK_TOP	-10	1.35	1.60	1.80	4.9	5.8	6.5	3.0	3.6	4.0
Clear_Sky	75	15	59	BLACK_TOP	-5	1.45	1.75	1.90	5.2	6.3	6.8	3.2	3.9	4.3
Clear_Sky	75	15	59	BLACK_TOP	0	1.55	1.85	2.05	5.6	6.7	7.4	3.5	4.1	4.6
Clear_Sky	75	15	59	BLACK_TOP	5	1.10	1.35	1.50	4.0	4.9	5.4	2.5	3.0	3.4
Clear_Sky	75	15	59	BLACK_TOP	10	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Clear_Sky	75	15	59	BLACK_TOP	15	0.60	0.80	0.90	2.2	2.9	3.2	1.3	1.8	2.0
Clear_Sky	75	15	59	BLACK_TOP	20	0.45	0.65	0.75	1.6	2.3	2.7	1.0	1.5	1.7
Clear_Sky	75	15	59	BLACK_TOP	30	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
Clear_Sky	75	15	59	BLACK_TOP	40	0.25	0.35	0.40	0.9	1.3	1.4	0.6	0.8	0.9
Clear_Sky	75	15	59	BLACK_TOP	50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Clear_Sky	75	15	59	DIRT_ROAD	-50	0.70	0.95	1.10	2.5	3.4	4.0	1.6	2.1	2.5
Clear_Sky	75	15	59	DIRT_ROAD	-40	0.80	1.05	1.20	2.9	3.8	4.3	1.8	2.4	2.7
Clear_Sky	75	15	59	DIRT_ROAD	-30	0.95	1.20	1.35	3.4	4.3	4.9	2.1	2.7	3.0
Clear_Sky	75	15	59	DIRT_ROAD	-20	1.10	1.35	1.50	4.0	4.9	5.4	2.5	3.0	3.4
Clear_Sky	75	15	59	DIRT_ROAD	-15	1.20	1.45	1.60	4.3	5.2	5.8	2.7	3.2	3.6
Clear_Sky	75	15	59	DIRT_ROAD	-10	1.25	1.55	1.70	4.5	5.6	6.1	2.8	3.5	3.8
Clear_Sky	75	15	59	DIRT_ROAD	-5	1.35	1.65	1.80	4.9	5.9	6.5	3.0	3.7	4.0
Clear_Sky	75	15	59	DIRT_ROAD	0	1.50	1.75	1.95	5.4	6.3	7.0	3.4	3.9	4.4
Clear_Sky	75	15	59	DIRT_ROAD	5	1.00	1.25	1.45	3.6	4.5	5.2	2.2	2.8	3.2
Clear_Sky	75	15	59	DIRT_ROAD	10	0.70	0.95	1.10	2.5	3.4	4.0	1.6	2.1	2.5
Clear_Sky	75	15	59	DIRT_ROAD	15	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Clear_Sky	75	15	59	DIRT_ROAD	20	0.40	0.60	0.70	1.4	2.2	2.5	0.9	1.3	1.6
Clear_Sky	75	15	59	DIRT_ROAD	30	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Clear_Sky	75	15	59	DIRT_ROAD	40	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	8.0
Clear_Sky	75	15	59	DIRT_ROAD	50	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Clear_Sky	75	15	59	LOOSE_SAND	-50	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Clear_Sky	75	15	59	LOOSE_SAND	-40	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
Clear_Sky	75	15	59	LOOSE_SAND	-30	0.55	0.75	0.85	2.0	2.7	3.1	1.2	1.7	1.9
Clear_Sky	75	15	59	LOOSE_SAND	-20	0.70	0.90	1.00	2.5	3.2	3.6	1.6	2.0	2.2
Clear_Sky	75	15	59	LOOSE_SAND	-15	0.75	0.95	1.10	2.7	3.4	4.0	1.7	2.1	2.5
Clear_Sky	75	15	59	LOOSE_SAND	-10	0.85	1.05	1.20	3.1	3.8	4.3	1.9	2.4	2.7
Clear_Sky	75	15	59	LOOSE_SAND	-5	0.95	1.15	1.30	3.4	4.1	4.7	2.1	2.6	2.9
Clear_Sky	75	15	59	LOOSE_SAND	0	1.05	1.25	1.40	3.8	4.5	5.0	2.4	2.8	3.1
Clear_Sky	75	15	59	LOOSE_SAND	5	0.65	0.80	0.90	2.3	2.9	3.2	1.5	1.8	2.0
Clear_Sky	75	15	59	LOOSE_SAND	10	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Clear_Sky	75	15	59	LOOSE_SAND	15	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Clear_Sky	75	15	59	LOOSE_SAND	20	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Clear_Sky	75	15	59	LOOSE_SAND	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	75	15	59	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	75	15	59	LOOSE_SAND	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3

Table D-25. Maximum Sustainable Speed, Clear Sky, 75% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco		(kilo	stainable meters/h	our)	(1	istainable niles/hou	TL)
						F	Risk Leve	l	F	Risk Leve	el .		Risk Leve	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	75	20	68	BLACK_TOP	-50	0.70	0.80	0.95	2.5	2.9	3.4	1.6	1.8	2.1
Clear_Sky	75	20	68	BLACK_TOP	-40	0.80	0.95	1.05	2.9	3.4	3.8	1.8	2.1	2.4
Clear_Sky	75	20	68	BLACK_TOP	-30	0.90	1.05	1.20	3.2	3.8	4.3	2.0	2.4	2.7
Clear_Sky	75	20	68	BLACK_TOP	-20	1.05	1.20	1.35	3.8	4.3	4.9	2.4	2.7	3.0
Clear_Sky	75	20	68	BLACK_TOP	-15	1.15	1.30	1.45	4.1	4.7	5.2	2.6	2.9	3.2
Clear_Sky	75	20	68	BLACK_TOP	-10	1.20	1.40	1.55	4.3	5.0	5.6	2.7	3.1	3.5
Clear_Sky	75	20	68	BLACK_TOP	-5	1.30	1.50	1.65	4.7	5.4	5.9	2.9	3.4	3.7
Clear_Sky	75	20	68	BLACK_TOP	0	1.45	1.60	1.80	5.2	5.8	6.5	3.2	3.6	4.0
Clear_Sky	75	20	68	BLACK_TOP	5	0.95	1.15	1.30	3.4	4.1	4.7	2.1	2.6	2.9
Clear_Sky	75	20	68	BLACK_TOP	10	0.70	0.80	0.95	2.5	2.9	3.4	1.6	1.8	2.1
Clear_Sky	75	20	68	BLACK_TOP	15	0.50	0.60	0.75	1.8	2.2	2.7	1.1	1.3	1.7
Clear_Sky	75	20	68	BLACK_TOP	20	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Clear_Sky	75	20	68	BLACK_TOP	30	0.25	0.35	0.40	0.9	1.3	1.4	0.6	0.8	0.9
Clear_Sky	75	20	68	BLACK_TOP	40	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Clear_Sky	75	20	68	BLACK_TOP	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	75	20	68	DIRT_ROAD	-50	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
Clear_Sky	75	20	68	DIRT_ROAD	-40	0.70	0.85	1.00	2.5	3.1	3.6	1.6	1.9	2.2
Clear_Sky	75	20	68	DIRT_ROAD	-30	0.85	1.00	1.15	3.1	3.6	4.1	1.9	2.2	2.6
Clear_Sky	75	20	68	DIRT_ROAD	-20	1.00	1.15	1.30	3.6	4.1	4.7	2.2	2.6	2.9
Clear_Sky	75	20	68	DIRT_ROAD	-15	1.05	1.25	1.40	3.8	4.5	5.0	2.4	2.8	3.1
Clear_Sky	75	20	68	DIRT_ROAD	-10	1.15	1.30	1.50	4.1	4.7	5.4	2.6	2.9	3.4
Clear_Sky	75	20	68	DIRT_ROAD	-5	1.25	1.45	1.60	4.5	5.2	5.8	2.8	3.2	3.6
Clear_Sky	75	20	68	DIRT_ROAD	O	1.35	1.55	1.70	4.9	5.6	6.1	3.0	3.5	3.8
Clear_Sky	75	20	68	DIRT_ROAD	5	0.90	1.05	1.20	3.2	3.8	4.3	2.0	2.4	2.7
Clear_Sky	75	20	68	DIRT_ROAD	10	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
Clear_Sky	75	20	68	DIRT_ROAD	15	0.45	0.55	0.70	1.6	2.0	2.5	1.0	1.2	1.6
Clear_Sky	75	20	68	DIRT_ROAD	20	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Clear_Sky	75	20	68	DIRT_ROAD	30	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Clear_Sky	75	20	68	DIRT_ROAD	40	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Clear_Sky	75	20	68	DIRT_ROAD	50	0.15	0.20	0.20	0.5	0.7	0.7	0.3	0.4	0.4
Clear_Sky	75	20	68	LOOSE_SAND	-50	0.35	0.45	0.50	1.3	1.6	1.8	0.8	1.0	1.1
Clear_Sky	75	20	68	LOOSE_SAND	-40	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Clear_Sky	75	20	68	LOOSE_SAND	-30	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
Clear_Sky	75	20	68	LOOSE_SAND	-20	0.60	0.75	0.85	2.2	2.7	3.1	1.3	1.7	1.9
Clear_Sky	75	20	68	LOOSE_SAND	-15	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
Clear_Sky	75	20	68	LOOSE_SAND	-10	0.80	0.90	1.00	2.9	3.2	3.6	1.8	2.0	2.2
Clear_Sky	75	20	68	LOOSE_SAND	-5	0.85	1.00	1.10	3.1	3.6	4.0	1.9	2.2	2.5
Clear_Sky	75	20	68	LOOSE_SAND	0	1.00	1.10	1.20	3.6	4.0	4.3	2.2	2.5	2.7
Clear_Sky	75	20	68	LOOSE_SAND	5	0.55	0.65	0.75	2.0	2.3	2.7	1.2	1.5	1.7
Clear_Sky	75	20	68	LOOSE_SAND	10	0.35	0.45	0.50	1.3	1.6	1.8	0.8	1.0	1.1
Clear_Sky	75	20	68	LOOSE_SAND	15	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	8.0
Clear_Sky	75	20	68	LOOSE_SAND	20	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Clear_Sky	75	20	68	LOOSE_SAND	30	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	75	20	68	LOOSE_SAND	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Clear_Sky	75	20	68	LOOSE_SAND	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2

Table D-26. Maximum Sustainable Speed, Clear Sky, 75% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/h		Max Su (n	stainabl	
						F	Risk Leve	əl	F	lisk Leve	əl	F	lisk Leve	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	75	25	77	BLACK_TOP	-50	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
Clear_Sky	75	25	77	BLACK_TOP	-40	0.60	0.65	0.80	2.2	2.3	2.9	1.3	1.5	1.8
Clear_Sky	75	25	77	BLACK_TOP	-30	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
Clear_Sky	75	25	77	BLACK_TOP	-20	0.80	0.90	1.05	2.9	3.2	3.8	1.8	2.0	2.4
Clear_Sky	75	25	77	BLACK_TOP	-15	0.90	1.00	1.15	3.2	3.6	4.1	2.0	2.2	2.6
Clear_Sky	75	25	77	BLACK_TOP	-10	1.00	1.10	1.25	3.6	4.0	4.5	2.2	2.5	2.8
Clear_Sky	75	25	77	BLACK_TOP	- 5	1.10	1.20	1.35	4.0	4.3	4.9	2.5	2.7	3.0
Clear_Sky	75	25	77	BLACK_TOP	0	1.20	1.30	1.45	4.3	4.7	5.2	2.7	2.9	3.2
Clear_Sky	75	25	77	BLACK_TOP	5	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
Clear_Sky	75	25	77	BLACK_TOP	10	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
Clear_Sky	75	25	77	BLACK_TOP	15	0.35	0.45	0.50	1.3	1.6	1.8	0.8	1.0	1.1
Clear_Sky	75	25	77	BLACK_TOP	20	0.30	0.35	0.40	1.1	1.3	1.4	0.7	0.8	0.9
Clear_Sky	75	25	77	BLACK_TOP	30	0.20	0.20	0.30	0.7	0.7	1.1	0.4	0.4	0.7
Clear_Sky	7 5	25	77	BLACK_TOP	40	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Clear_Sky	75	25	77	BLACK_TOP	50	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
Clear_Sky	75	25	77	DIRT_ROAD	-50	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Clear_Sky	75	25	77	DIRT_ROAD	-4 0	0.55	0.60	0.75	2.0	2.2	2.7	1.2	1.3	1.7
Clear_Sky	75	25	77	DIRT_ROAD	-30	0.65	0.75	0.85	2.3	2.7	3.1	1.5	1.7	1.9
Clear_Sky	75	25	77	DIRT_ROAD	-20	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
Clear_Sky	75	25	77	DIRT_ROAD	-15	0.85	0.95	1.10	3.1	3.4	4.0	1.9	2.1	2.5
Clear_Sky	75	25	77	DIRT_ROAD	-10	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
Clear_Sky	75	25	77	DIRT_ROAD	-5	1.05	1.15	1.30	3.8	4.1	4.7	2.4	2.6	2.9
Clear_Sky	75	25	77	DIRT_ROAD	0	1.15	1.25	1.40	4.1	4.5	5.0	2.6	2.8	3.1
Clear_Sky	75	25	77	DIRT_ROAD	5	0.70	0.80	0.95	2.5	2.9	3.4	1.6	1.8	2.1
Clear_Sky	75	25	77	DIRT_ROAD	10	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Clear_Sky	75	25	77	DIRT_ROAD	15	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Clear_Sky	75	25	77	DIRT_ROAD	20	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	8.0
Clear_Sky	75	25	77	DIRT_ROAD	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	75	25	77	DIRT_ROAD	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	75	25	77	DIRT_ROAD	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Clear_Sky	75	25	77	LOOSE_SAND	-50	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	8.0
Clear_Sky	75	25	77	LOOSE_SAND	-40	0.30	0.35	0.45	1.1	1.3	1.6	0.7	8.0	1.0
Clear_Sky	75	25	77	LOOSE_SAND	-30	0.35	0.45	0.50	1.3	1.6	1.8	0.8	1.0	1.1
Clear_Sky	75	25		LOOSE_SAND	-20	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Clear_Sky	75	25	77	LOOSE_SAND	-15	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
Clear_Sky	75	25	77	LOOSE_SAND	-10	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Clear_Sky	75	25		LOOSE_SAND	-5	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
Clear_Sky	75	25		LOOSE_SAND	0	0.80	0.90	1.00	2.9	3.2	3.6	1.8	2.0	2.2
Clear_Sky	75	25		LOOSE_SAND	5	0.40	0.50	0.55	1.4	1.8	2.0	0.9	1.1	1.2
Clear_Sky	75	25		LOOSE_SAND	10	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	8.0
Clear_Sky	7 5	25	77	LOOSE_SAND	15	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	75	25	77	LOOSE_SAND	20	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	75	25	77	LOOSE_SAND	30	0.10	0.10	0.10	0.4	0.4	0.4	0.2	0.2	0.2
Clear_Sky	75	25	77	LOOSE_SAND	40	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Clear_Sky	75	25	77	LOOSE_SAND	50	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1

Table D-27. Maximum Sustainable Speed, Clear Sky, 75% Humidity, 30°C (86°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		ustainab eters/sec	le Speed cond)		stainabl meters/l			stainabi niles/ho	
}							Risk Lev	el		Risk Lev	el	1	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky		30	86	BLACK_TOP	-50	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Clear_Sky	75	30	86	BLACK_TOP	-40	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Clear_Sky	/ 75	30	86	BLACK_TOP	-30	0.35	0.40	0.55	1.3	1.4	2.0	0.8	0.9	1.2
Clear_Sky	75	30	86	BLACK_TOP	-20	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Clear_Sky	<i>,</i> 75	30	86	BLACK_TOP	-15	0.50	0.55	0.75	1.8	2.0	2.7	1.1	1.2	1.7
Clear_Sky	75	30	86	BLACK_TOP	-10	0.55	0.65	0.85	2.0	2.3	3.1	1.2	1.5	1.9
Clear_Sky	75	30	86	BLACK_TOP	-5	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
Clear_Sky	75	30	86	BLACK_TOP	0	0.75	0.85	1.05	2.7	3.1	3.8	1.7	1.9	2.4
Clear_Sky	7 5	30	86	BLACK_TOP	5	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Clear_Sky	75	30	86	BLACK_TOP	10	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Clear_Sky	75	30	86	BLACK_TOP	15	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	75	30	86	BLACK_TOP	20	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	75	30	86	BLACK_TOP	30	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Clear_Sky	75	30	86	BLACK_TOP	40	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Clear_Sky	75	30	86	BLACK_TOP	50	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1
Clear_Sky	75	30	86	DIRT_ROAD	-50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Clear_Sky	75	30	86	DIRT_ROAD	-40	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Clear_Sky	75	30	86	DIRT_ROAD	-30	0.30	0.35	0.50	1.1	1.3	1.8	0.7	8.0	1.1
Clear_Sky	75	30	86	DIRT_ROAD	-20	0.40	0.45	0.60	1.4	1.6	2.2	0.9	1.0	1.3
Clear_Sky	75	30	86	DIRT_ROAD	-15	0.45	0.55	0.70	1.6	2.0	2.5	1.0	1.2	1.6
Clear_Sky	75	30	86	DIRT_ROAD	-10	0.55	0.60	0.80	2.0	2.2	2.9	1.2	1.3	1.8
Clear_Sky	75	30	86	DIRT_ROAD	-5	0.60	0.70	0.90	2.2	2.5	3.2	1.3	1.6	2.0
Clear_Sky	75	30	86	DIRT_ROAD	0	0.70	0.80	1.00	2.5	2.9	3.6	1.6	1.8	2.2
Clear_Sky	75	30	86	DIRT_ROAD	5	0.35	0.40	0.55	1.3	1.4	2.0	0.8	0.9	1.2
Clear_Sky	75	30	86	DIRT_ROAD	10	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Clear_Sky	75	30	86	DIRT_ROAD	15	0.15	0.15	0.25	0.5	0.5	0.9	0.3	0.3	0.6
Clear_Sky	75	30	86	DIRT_ROAD	20	0.10	0.10	0.20	0.4	0.4	0.7	0.2	0.2	0.4
Clear_Sky	75	30	86	DIRT_ROAD	30	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Clear_Sky	75	30	86	DIRT_ROAD	40	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Clear_Sky	75	30	86	DIRT_ROAD	50	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1
Clear_Sky	75	30	86	LOOSE_SAND	-50	0.10	0.10	0.20	0.4	0.4	0.7	0.2	0.2	0.4
Clear_Sky	75	30	86	LOOSE_SAND	-40	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Clear_Sky	75	30	86	LOOSE_SAND	-30	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Clear_Sky	75	30	86	LOOSE_SAND	-20	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Clear_Sky	7 5	30	86	LOOSE_SAND	-15	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Clear_Sky	75	30	86	LOOSE_SAND	-10	0.35	0.40	0.50	1.3	1.4	1.8	8.0	0.9	1.1
Clear_Sky	75	30	86	LOOSE_SAND	-5	0.40	0.45	0.60	1.4	1.6	2.2	0.9	1.0	1.3
Clear_Sky	75	30	86	LOOSE_SAND	0	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
Clear_Sky	75	30	86	LOOSE_SAND	5	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Clear_Sky	75	30	86	LOOSE_SAND	10	0.10	0.10	0.20	0.4	0.4	0.7	0.2	0.2	0.4
Clear_Sky	75	30	86	LOOSE_SAND	15	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Clear_Sky	75	30	86	LOOSE_SAND	20	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Clear_Sky	75	30	86	LOOSE_SAND	30	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1
Clear_Sky	75	30	86	LOOSE_SAND	40	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Clear_Sky	75	30	86	LOOSE_SAND	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0

Table D-28. Maximum Sustainable Speed, Clear Sky, 75% Humidity, 35°C (95°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabi ters/sec	e Speed ond)		stainabi meters/l	e Speed hour)		stainabi niles/ho	
							Risk Lev	el	F	Risk Lev	el	F	lsk Lev	el
						Low	Mod	High	Low	Mod	High _	Low	Mod	High
Clear_Sky	75	35	95	BLACK_TOP	-50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	7 5	35	9 5	BLACK_TOP	-40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	BLACK_TOP	-30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	BLACK_TOP	-20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	BLACK_TOP	-15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	BLACK_TOP	-10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	BLACK_TOP	- 5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	BLACK_TOP	0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	BLACK_TOP	5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	BLACK_TOP	10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	BLACK_TOP	15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	7 5	35	95	BLACK_TOP	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	BLACK_TOP	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	BLACK_TOP	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	BLACK_TOP	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	DIRT_ROAD	-50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	DIRT_ROAD	-40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	DIRT_ROAD	-30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	DIRT_ROAD	-20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	DIRT_ROAD	-15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	DIRT_ROAD	-10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	7 5	35	95	DIRT_ROAD	-5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	DIRT_ROAD	0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	DIRT_ROAD	5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	DIRT_ROAD	10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	DIRT_ROAD	15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	3 5	95	DIRT_ROAD	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	DIRT_ROAD	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	DIRT_ROAD	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	DIRT_ROAD	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	LOOSE_SAND	-50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	LOOSE_SAND	-40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	LOOSE_SAND	-30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	9 5	LOOSE_SAND	-20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	3 5	95	LOOSE_SAND	-15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	LOOSE_SAND	-10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	LOOSE_SAND	-5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	LOOSE_SAND	0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	LOOSE_SAND	5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	LOOSE_SAND	10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	LOOSE_SAND	15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	LOOSE_SAND	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	7 5	35	95	LOOSE_SAND	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	7 5	35		LOOSE_SAND	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	75	35	95	LOOSE_SAND	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0

Table D-29. Maximum Sustainable Speed, Clear Sky, 95% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabio	•		stainabl meters/i		Max Su (n	stainabl niles/hou	
	, ,					F	lisk Leve	el	F	lisk Lev	əl	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High _	Low	Mod	High
Clear_Sky	95	5	41	BLACK_TOP	-50	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Clear_Sky	95	5	41	BLACK_TOP	-40	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
Clear_Sky	95	5	41	BLACK_TOP	-30	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Clear_Sky	95	5	41	BLACK_TOP	-20	1.35	1.65	1.95	4.9	5.9	7.0	3.0	3.7	4.4
Clear_Sky	95	5	41	BLACK_TOP	-15	1.45	1.75	2.05	5.2	6.3	7.4	3.2	3.9	4.6
Clear_Sky	95	5	41	BLACK_TOP	-10	1.55	1.85	2.15	5.6	6.7	7.7	3.5	4.1	4.8
Clear_Sky	95	5	41	BLACK_TOP	-5	1.65	1.95	2.25	5.9	7.0	8.1	3.7	4.4	5.0
Clear_Sky	95	5	41	BLACK_TOP	0	1.80	2.05	2.40	6.5	7.4	8.6	4.0	4.6	5.4
Clear_Sky	95	5	41	BLACK_TOP	5	1.30	1.55	1.85	4.7	5.6	6.7	2.9	3.5	4.1
Clear_Sky	95	5	41	BLACK_TOP	10	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Clear_Sky	95	5	41	BLACK_TOP	15	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Clear_Sky	95	5	41	BLACK_TOP	20	0.60	0.75	1.00	2.2	2.7	3.6	1.3	1.7	2.2
Clear_Sky	95	5	41	BLACK_TOP	30	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Clear_Sky	95	5	41	BLACK_TOP	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Clear_Sky	95	5	41	BLACK_TOP	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Clear_Sky	95	5	41	DIRT_ROAD	-50	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Clear_Sky	95	5	41	DIRT_ROAD	-40	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Clear_Sky	95	5	41	DIRT_ROAD	-30	1.15	1.40	1.70	4.1	5.0	6.1	2.6	3.1	3.8
Clear_Sky	95	5	41	DIRT_ROAD	-20	1.30	1.55	1.85	4.7	5.6	6.7	2.9	3.5	4.1
Clear_Sky	95	5	41	DIRT_ROAD	-15	1.40	1.65	1.95	5.0	5.9	7.0	3.1	3.7	4.4
Clear_Sky	95	5	41	DIRT_ROAD	-10	1.50	1.75	2.05	5.4	6.3	7.4	3.4	3.9	4.6
Clear_Sky	95	5	41	DIRT_ROAD	-5	1.60	1.85	2.15	5.8	6.7	7.7	3.6	4.1	4.8
Clear_Sky	95	5	41	DIRT_ROAD	0	1.70	1.95	2.25	6.1	7.0	8.1	3.8	4.4	5.0
Clear_Sky	95	5	41	DIRT_ROAD	5	1.20	1.45	1.75	4.3	5.2	6.3	2.7	3.2	3.9
Clear_Sky	95	5	41	DIRT_ROAD	10	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Clear_Sky	95	5	41	DIRT_ROAD	15	0.70	0.85	1.10	2.5	3.1	4.0	1.6	1.9	2.5
Clear_Sky	95	5	41	DIRT_ROAD	20	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Clear_Sky	95	5	41	DIRT_ROAD	30	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Clear_Sky	95	5	41	DIRT_ROAD	40	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Clear_Sky	95	5	41	DIRT_ROAD	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Sky	95	5	41	LOOSE_SAND	-50	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Clear_Sky	95	5	41	LOOSE_SAND	-40	0.60	0.75	0.95	2.2	2.7	3.4	1.3	1.7	2.1
Clear_Sky	95	5	41	LOOSE_SAND	-30	0.70	0.85	1.10	2.5	3.1	4.0	1.6	1.9	2.5
Clear_Sky	95	5	41	LOOSE_SAND	-20	0.85	1.00	1.25	3.1	3.6	4.5	1.9	2.2	2.8
Clear_Sky	95	5	41	LOOSE_SAND	-15	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
Clear_Sky	95	5	41	LOOSE_SAND	-10	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Clear_Sky	95	5	41	LOOSE_SAND	-5	1.10	1.30	1.55	4.0	4.7	5.6	2.5	2.9	3.5
Clear_Sky	95	5	41	LOOSE_SAND	0	1.20	1.40	1.65	4.3	5.0	5.9	2.7	3.1	3.7
Clear_Sky	95	5	41	LOOSE_SAND	5	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Clear_Sky	95	5	41	LOOSE_SAND	10	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Clear_Sky	95	5	41	LOOSE_SAND	15	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Clear_Sky	95	5	41	LOOSE_SAND	20	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Clear_Sky	95	5	41	LOOSE_SAND	30	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Clear_Sky	95	5	41	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	95	5	41	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table D-30. Maximum Sustainable Speed, Clear Sky, 95% Humidity, 10°C (50°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainable ters/sec	ond)	L .	stainable meters/h	•		stainable	
							Risk Leve	el	F	Risk Leve	el	F	Risk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	95	10	50	BLACK_TOP	-50	0.85	1.10	1.30	3.1	4.0	4.7	1.9	2.5	2.9
Clear_Sky	95	10	50	BLACK_TOP	-40	0.95	1.20	1.45	3.4	4.3	5.2	2.1	2.7	3.2
Clear_Sky	95	10	50	BLACK_TOP	-30	1.10	1.35	1.60	4.0	4.9	5.8	2.5	3.0	3.6
Clear_Sky	95	10	50	BLACK_TOP	-20	1.25	1.55	1.75	4.5	5.6	6.3	2.8	3.5	3.9
Clear_Sky	95	10	50	BLACK_TOP	-15	1.35	1.65	1.85	4.9	5.9	6.7	3.0	3.7	4.1
Clear_Sky	95	10	5 0	BLACK_TOP	-10	1.45	1.75	1.95	5.2	6.3	7.0	3.2	3.9	4.4
Clear_Sky	95	10	50	BLACK_TOP	-5	1.55	1.85	2.05	5.6	6.7	7.4	3.5	4.1	4.6
Clear_Sky	9 5	10	50	BLACK_TOP	0	1.65	1.95	2.20	5.9	7.0	7.9	3.7	4.4	4.9
Clear_Sky	95	10	50	BLACK_TOP	5	1.20	1.45	1.70	4.3	5.2	6.1	2.7	3.2	3.8
Clear_Sky	95	10	50	BLACK_TOP	10	0.85	1.10	1.30	3.1	4.0	4.7	1.9	2.5	2.9
Clear_Sky	95	10	50	BLACK_TOP	15	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Clear_Sky	95	10	50	BLACK_TOP	20	0.50	0.70	0.85	1.8	2.5	3.1	1.1	1.6	1.9
Clear_Sky	95	10	50	BLACK_TOP	30	0.35	0.50	0.60	1.3	1.8	2.2	0.8	1.1	1.3
Clear_Sky	95	10	50	BLACK_TOP	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Clear_Sky	95	10	50	BLACK_TOP	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Clear_Sky	95	10	50	DIRT_ROAD	-50	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Clear_Sky	95	10	50	DIRT_ROAD	-40	0.90	1.15	1.35	3.2	4.1	4.9	2.0	2.6	3.0
Clear_Sky	95	10	50	DIRT_ROAD	-30	1.05	1.30	1.50	3.8	4.7	5.4	2.4	2.9	3.4
Clear_Sky	95	10	50	DIRT_ROAD	-20	1.20	1.45	1.65	4.3	5.2	5.9	2.7	3.2	3.7
Clear_Sky	95	10	50	DIRT_ROAD	-15	1.30	1.55	1.75	4.7	5.6	6.3	2.9	3.5	3.9
Clear_Sky	95	10	50	DIRT_ROAD	-10	1.35	1.65	1.85	4.9	5.9	6.7	3.0	3.7	4.1
Clear_Sky	95	10	50	DIRT_ROAD	-5	1.50	1.75	1.95	5.4	6.3	7.0	3.4	3.9	4.4
Clear_Sky	95	10	50	DIRT_ROAD	0	1.60	1.85	2.10	5.8	6.7	7.6	3.6	4.1	4.7
Clear_Sky	95	10	50	DIRT_ROAD	5	1.10	1.35	1.60	4.0	4.9	5.8	2.5	3.0	3.6
Clear_Sky	95	10	50	DIRT_ROAD	10	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Clear_Sky	95	10	50	DIRT_ROAD	15	0.60	0.80	0.95	2.2	2.9	3.4	1.3	1.8	2.1
Clear_Sky	95	10	50	DIRT_ROAD	20	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Clear_Sky	95	10	50	DIRT_ROAD	30	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Clear_Sky	95	10	50	DIRT_ROAD	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Clear_Sky	95	10	50	DIRT_ROAD	50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Clear_Sky	9 5	10	50	LOOSE_SAND	-50	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Clear_Sky	95	10	50	LOOSE_SAND	-40	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Clear_Sky	95	10	50	LOOSE_SAND	-30	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
Clear_Sky	95	10	50	LOOSE_SAND	-20	0.75	0.95	1.10	2.7	3.4	4.0	1.7	2.1	2.5
Clear_Sky	95	10	50	LOOSE_SAND	-15	0.85	1.05	1.20	3.1	3.8	4.3	1.9	2.4	2.7
Clear_Sky	95	10	50	LOOSE_SAND	-10	0.95	1.10	1.30	3.4	4.0	4.7	2.1	2.5	2.9
Clear_Sky	95	10	50	LOOSE_SAND	-5	1.05	1.20	1.40	3.8	4.3	5.0	2.4	2.7	3.1
Clear_Sky	95	10	50	LOOSE_SAND	0	1.15	1.35	1.50	4.1	4.9	5.4	2.6	3.0	3.4
Clear_Sky	95	10	50	LOOSE_SAND	5	0.70	0.85	1.00	2.5	3.1	3.6	1.6	1.9	2.2
Clear_Sky	95	10	50	LOOSE_SAND	10	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Clear_Sky	95	10	50	LOOSE_SAND	15	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Clear_Sky	95	10	50	LOOSE_SAND	20	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Clear_Sky	95	10	50	LOOSE_SAND	30	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Clear_Sky	95	10	50	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	95	10	50	LOOSE_SAND	50	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3

Table D-31. Maximum Sustainable Speed, Clear Sky, 95% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/f			stainabl	
						F	lisk Leve	H	F	lisk Leve	el	F	Risk Leve	et
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	95	15	59	BLACK_TOP	-50	0.75	0.95	1.10	2.7	3.4	4.0	1.7	2.1	2.5
Clear_Sky	95	15	59	BLACK_TOP	-40	0.85	1.10	1.25	3.1	4.0	4.5	1.9	2.5	2.8
Clear_Sky	95	15	59	BLACK_TOP	-30	1.00	1.20	1.35	3.6	4.3	4.9	2.2	2.7	3.0
Clear_Sky	95	15	59	BLACK_TOP	-20	1.15	1.35	1.55	4.1	4.9	5.6	2.6	3.0	3.5
Clear_Sky	95	15	59	BLACK_TOP	-15	1.25	1.45	1.65	4.5	5.2	5.9	2.8	3.2	3.7
Clear_Sky	95	15	59	BLACK_TOP	-10	1.35	1.55	1.75	4.9	5.6	6.3	3.0	3.5	3.9
Clear_Sky	95	15	59	BLACK_TOP	-5	1.45	1.65	1.85	5.2	5.9	6.7	3.2	3.7	4.1
Clear_Sky	95	15	59	BLACK_TOP	0	1.55	1.80	1.95	5.6	6.5	7.0	3.5	4.0	4.4
Clear_Sky	9 5	15	59	BLACK_TOP	5	1.05	1.30	1.45	3.8	4.7	5.2	2.4	2.9	3.2
Clear_Sky	95	15	59	BLACK_TOP	10	0.75	0.95	1.10	2.7	3.4	4.0	1.7	2.1	2.5
Clear_Sky	95	15	59	BLACK_TOP	15	0.60	0.75	0.85	2.2	2.7	3.1	1.3	1.7	1.9
Clear_Sky	95	15	59	BLACK_TOP	20	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Clear_Sky	95	15	59	BLACK_TOP	30	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Clear_Sky	95	15	59	BLACK_TOP	40	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Clear_Sky	95	15	59	BLACK_TOP	50	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Clear_Sky	95	15	59	DIRT_ROAD	-50	0.70	0.90	1.00	2.5	3.2	3.6	1.6	2.0	2.2
Clear_Sky	95	15	59	DIRT_ROAD	-40	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Clear_Sky	95	15	59	DIRT_ROAD	-30	0.95	1.15	1.30	3.4	4.1	4.7	2.1	2.6	2.9
Clear_Sky	95	15	59	DIRT_ROAD	-20	1.10	1.30	1.45	4.0	4.7	5.2	2.5	2.9	3.2
Clear_Sky	95	15	59	DIRT_ROAD	-15	1.15	1.40	1.55	4.1	5.0	5.6	2.6	3.1	3.5
Clear_Sky	95	15	59	DIRT_ROAD	-10	1.25	1.50	1.65	4.5	5.4	5.9	2.8	3.4	3.7
Clear_Sky	95	15	59	DIRT_ROAD	-5	1.35	1.60	1.75	4.9	5.8	6.3	3.0	3.6	3.9
Clear_Sky	95	15	59	DIRT_ROAD	0	1.45	1.70	1.85	5.2	6.1	6.7	3.2	3.8	4.1
Clear_Sky	95	15	59	DIRT_ROAD	5	1.00	1.20	1.35	3.6	4.3	4.9	2.2	2.7	3.0
Clear_Sky	95	15	59	DIRT_ROAD	10	0.70	0.90	1.00	2.5	3.2	3.6	1.6	2.0	2.2
Clear_Sky	95	15	59	DIRT_ROAD	. 15	0.55	0.70	0.80	2.0	2.5	2.9	1.2	1.6	1.8
Clear_Sky	95	15	59	DIRT_ROAD	20	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Clear_Sky	95	15	59	DIRT_ROAD	30	0.30	0.40	0.45	1.1	1.4	1.6	0.7	0.9	1.0
Clear_Sky	95	15	59	DIRT_ROAD	40	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Clear_Sky	95	15	59	DIRT_ROAD	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	95	15	59	LOOSE_SAND	-50	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Clear_Sky	95	15	59	LOOSE_SAND	-40	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Clear_Sky	95	15	59	LOOSE_SAND	-30	0.55	0.70	0.80	2.0	2.5	2.9	1.2	1.6	1.8
Clear_Sky	95	15	59	LOOSE_SAND	-20	0.70	0.85	0.95	2.5	3.1	3.4	1.6	1.9	2.1
Clear_Sky	95	15	59	LOOSE_SAND	-15	0.75	0.90	1.05	2.7	3.2	3.8	1.7	2.0	2.4
Clear_Sky	95	15	59	LOOSE_SAND	-10	0.85	1.00	1.15	3.1	3.6	4.1	1.9	2.2	2.6
Clear_Sky	95	15	59	LOOSE_SAND	-5	0.95	1.10	1.25	3.4	4.0	4.5	2.1	2.5	2.8
Clear_Sky	95	15	59	LOOSE_SAND	ō	1.05	1.20	1.35	3.8	4.3	4.9	2.4	2.7	3.0
Clear_Sky	95	15	59	LOOSE_SAND	5	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Clear_Sky	95	15	59	LOOSE_SAND	10	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Clear_Sky	95	15	59	LOOSE_SAND	15	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
Clear_Sky	95	15	59	LOOSE_SAND	20	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Clear_Sky	95	15	59	LOOSE_SAND	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	95	15	59	LOOSE_SAND	40	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
Clear_Sky	95	15	59	LOOSE_SAND	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3

Table D-32. Maximum Sustainable Speed, Clear Sky, 95% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabi	e Speed ond)		stainabl meters/l	e Speed nour)		stainabi niles/hou	
						F	Risk Leve	əl	F	lisk Lev	el	F	isk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	95	20	68	BLACK_TOP	-50	0.65	0.75	0.85	2.3	2.7	3.1	1.5	1.7	1.9
Clear_Sky	95	20	6 8	BLACK_TOP	-40	0.75	0.85	0.95	2.7	3.1	3.4	1.7	1.9	2.1
Clear_Sky	95	20	68	BLACK_TOP	-30	0.90	0.95	1.10	3.2	3.4	4.0	2.0	2.1	2.5
Clear_Sky	95	20	68	BLACK_TOP	-20	1.00	1.10	1.25	3.6	4.0	4.5	2.2	2.5	2.8
Clear_Sky	95	20	68	BLACK_TOP	-15	1.10	1.20	1.35	4.0	4.3	4.9	2.5	2.7	3.0
Clear_Sky	95	20	68	BLACK_TOP	-10	1.20	1.30	1.45	4.3	4.7	5.2	2.7	2.9	3.2
Clear_Sky	95	20	68	BLACK_TOP	-5	1.30	1.40	1.55	4.7	5.0	5.6	2.9	3.1	3.5
Clear_Sky	95	20	68	BLACK_TOP	0	1.40	1.50	1.65	5.0	5.4	5.9	3.1	3.4	3.7
Clear_Sky	95	20	68	BLACK_TOP	5	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
Clear_Sky	95	20	68	BLACK_TOP	10	0.65	0.75	0.85	2.3	2.7	3.1	1.5	1.7	1.9
Clear_Sky	95	20	68	BLACK_TOP	15	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Clear_Sky	95	20	68	BLACK_TOP	20	0.40	0.45	0.50	1.4	1.6	1.8	0.9	1.0	1.1
Clear_Sky	95	20	68	BLACK_TOP	30	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Clear_Sky	95	20	68	BLACK_TOP	40	0.20	0.20	0.25	0.7	0.7	0.9	0.4	0.4	0.6
Clear_Sky	95	20	68	BLACK_TOP	50	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Clear_Sky	95	20	68	DIRT_ROAD	-50	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Clear_Sky	95	20	68	DIRT_ROAD	-40	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
Clear_Sky	95	20	68	DIRT_ROAD	-30	0.80	0.90	1.05	2.9	3.2	3.8	1.8	2.0	2.4
Clear_Sky	9 5	20	68	DIRT_ROAD	-20	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
Clear_Sky	9 5	20	68	DIRT_ROAD	-15	1.05	1.15	1.25	3.8	4.1	4.5	2.4	2.6	2.8
Clear_Sky	95	20	68	DIRT_ROAD	-10	1.15	1.20	1.35	4.1	4.3	4.9	2.6	2.7	3.0
Clear_Sky	95	20	68	DIRT_ROAD	-5	1.25	1.35	1.45	4.5	4.9	5.2	2.8	3.0	3.2
Clear_Sky	95	20	68	DIRT_ROAD	0	1.35	1.45	1.60	4.9	5.2	5.8	3.0	3.2	3.6
Clear_Sky	95	20	68	DIRT_ROAD	5	0.90	0.95	1.10	3.2	3.4	4.0	2.0	2.1	2 .5
Clear_Sky	95	20	68	DIRT_ROAD	10	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Clear_Sky	95	20	68	DIRT_ROAD	15	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Clear_Sky	95	20	68	DIRT_ROAD	20	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Clear_Sky	95	20	68	DIRT_ROAD	30	0.25	0.25	0.35	0.9	0.9	1.3	0.6	0.6	0.8
Clear_Sky	95	20	68	DIRT_ROAD	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Clear_Sky	95	20	68	DIRT_ROAD	50	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Clear_Sky	95	20	68	LOOSE_SAND	-50	0.35	0.40	0.45	1.3	1.4	1.6	0.8	0.9	1.0
Clear_Sky	95	20	68	LOOSE_SAND	-40	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
Clear_Sky	95	20	68	LOOSE_SAND	-30	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Clear_Sky	95	20	68	LOOSE_SAND	-20	0.60	0.65	0.75	2.2	2.3	2.7	1.3	1.5	1.7
Clear_Sky	95	20	68	LOOSE_SAND	-15	0.70	0.75	0.85	2.5	2.7	3.1	1.6	1.7	1.9
Clear_Sky	95	20	68	LOOSE_SAND	-10	0.75	0.85	0.95	2.7	3.1	3.4	1.7	1.9	2.1
Clear_Sky	95	20	68	LOOSE_SAND	-5	0.85	0.90	1.05	3.1	3.2	3.8	1.9	2.0	2.4
Clear_Sky	95	20	68	LOOSE_SAND	0	0.95	1.05	1.15	3.4	3.8	4.1	2.1	2.4	2.6
Clear_Sky	95	20	68	LOOSE_SAND	5	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
Clear_Sky	95	20	68	LOOSE_SAND	10	0.35	0.40	0.45	1.3	1.4	1.6	0.8	0.9	1.0
Clear_Sky	95	20	68	LOOSE_SAND	15	0.25	0.25	0.35	0.9	0.9	1.3	0.6	0.6	8.0
Clear_Sky	95	20	68	LOOSE_SAND	20	0.20	0.20	0.25	0.7	0.7	0.9	0.4	0.4	0.6
Clear_Sky	95	20	68	LOOSE_SAND	30	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
Clear_Sky	95	20	68	LOOSE_SAND	40	0.10	0.10	0.10	0.4	0.4	0.4	0.2	0.2	0.2
Clear_Sky	95	20	68	LOOSE_SAND	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2

Table D-33. Maximum Sustainable Speed, Clear Sky, 95% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainable ters/seco	ond)	(kilo	meters/h	nour)	(r	stainabi niles/hou	ur)
						F	Risk Leve	H	F	lisk Leve	əl		Risk Lev	el
		•				Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	95	25	77	BLACK_TOP	-50	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
Clear_Sky	95	25	77	BLACK_TOP	-4 0	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Clear_Sky	95	25	77	BLACK_TOP	-30	0.55	0.65	0.75	2.0	2.3	2.7	1.2	1.5	1.7
Clear_Sky	95	25	77	BLACK_TOP	-20	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
Clear_Sky	95	25	77	BLACK_TOP	-15	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
Clear_Sky	95	25	77	BLACK_TOP	-10	0.85	0.90	1.10	3.1	3.2	4.0	1.9	2.0	2.5
Clear_Sky	95	25	77	BLACK_TOP	-5	0.95	1.00	1.20	3.4	3.6	4.3	2.1	2.2	2.7
Clear_Sky	95	25	77	BLACK_TOP	0	1.05	1.15	1.30	3.8	4.1	4.7	2.4	2.6	2.9
Clear_Sky	95	25	77	BLACK_TOP	5	0.60	0.70	0.85	2.2	2.5	3.1	1.3	1.6	1.9
Clear_Sky	95	25	77	BLACK_TOP	10	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
Clear_Sky	95	25	77	BLACK_TOP	15	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Clear_Sky	95	25	77	BLACK_TOP	20	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Clear_Sky	95	25	77	BLACK_TOP	30	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Clear_Sky	95	25	77	BLACK_TOP	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Clear_Sky	95	25	77	BLACK_TOP	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Clear_Sky	95	25	77	DIRT_ROAD	-50	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Clear_Sky	95	25	77	DIRT_ROAD	-40	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Clear_Sky	95	25	77	DIRT_ROAD	-30	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
Clear_Sky	95	25	77	DIRT_ROAD	-20	0.60	0.70	0.85	2.2	2.5	3.1	1.3	1.6	1.9
Clear_Sky	95	25	77	DIRT_ROAD	-15	0.70	0.80	0.95	2.5	2.9	3.4	1.6	1.8	2.1
Clear_Sky	95	25	77	DIRT_ROAD	-10	0.80	0.85	1.00	2.9	3.1	3.6	1.8	1.9	2.2
Clear_Sky	95	25	77	DIRT_ROAD	-5	0.90	0.95	1.10	3.2	3.4	4.0	2.0	2.1	2.5
Clear_Sky	95	25	77	DIRT_ROAD	0	1.00	1.10	1.25	3.6	4.0	4.5	2.2	2.5	2.8
Clear_Sky	95	25	77	DIRT_ROAD	5	0.55	0.65	0.80	2.0	2.3	2.9	1.2	1.5	1.8
Clear_Sky	95	25	77	DIRT_ROAD	10	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Clear_Sky	95	25	77	DIRT_ROAD	15	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Clear_Sky	95	25	77	DIRT_ROAD	20	0.20	0.20	0.30	0.7	0.7	1.1	0.4	0.4	0.7
Clear_Sky	95	25	77	DIRT_ROAD	30	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	95	25	77	DIRT_ROAD	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Clear_Sky	95	25	77	DIRT_ROAD	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Clear_Sky	95	25	77	LOOSE_SAND	-50	0.20	0.20	0.30	0.7	0.7	1.1	0.4	0.4	0.7
Clear_Sky	95	25	77	LOOSE_SAND	-40	0.25	0.25	0.35	0.9	0.9	1.3	0.6	0.6	0.8
Clear_Sky	95	25	77	LOOSE_SAND	-30	0.30	0.35	0.40	1.1	1.3	1.4	0.7	0.8	0.9
Clear_Sky	95	25	77	LOOSE_SAND	-20	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
Clear_Sky	95	25	77	LOOSE_SAND	<i>-</i> 15	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Clear_Sky	95	25	77	LOOSE_SAND	-10	0.50	0.55	0.70	1.8	2.0	2.5	1.1	1.2	1.6
Clear_Sky	95	25	77	LOOSE_SAND	-5	0.60	0.65	0.75	2.2	2.3	2.7	1.3	1.5	1.7
Clear_Sky	95	25	77	LOOSE_SAND	0	0.70	0.75	0.90	2.5	2.7	3.2	1.6	1.7	2.0
Clear_Sky	95	25	77	LOOSE_SAND	5	0.35	0.40	0.45	1.3	1.4	1.6	0.8	0.9	1.0
Clear_Sky	95	25	77	LOOSE_SAND	10	0.20	0.20	0.30	0.7	0.7	1.1	0.4	0.4	0.7
Clear_Sky	95	25	77	LOOSE_SAND	15	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Clear_Sky	95	25	77	LOOSE_SAND	20	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Clear_Sky	95	25	77	LOOSE_SAND	30	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Clear_Sky	95	25	77	LOOSE_SAND	40	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1
Clear_Sky	95	25	77	LOOSE_SAND	50	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1

Table D-34. Maximum Sustainable Speed, Clear Sky, 95% Humidity, 30°C (86°F)

	Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	e Speed ond)		stainabl meters/l	e Speed nour)		stainabl	e Speed ur)
							F	lisk Lev	el	F	lisk Lev	el	F	lisk Lev	əl
							Low	Mod	High	Low	Mod	High	Low	Mod	High
CI	ear_Sky	95	30	86	BLACK_TOP	-50	0.00	0.05	0.20	0.0	0.2	0.7	0.0	0.1	0.4
CI	ear_Sky	95	30	86	BLACK_TOP	-40	0.00	0.10	0.25	0.0	0.4	0.9	0.0	0.2	0.6
CI	ear_Sky	95	30	86	BLACK_TOP	-30	0.00	0.10	0.30	0.0	0.4	1.1	0.0	0.2	0.7
Cl	ear_Sky	95	30	86	BLACK_TOP	-20	0.05	0.20	0.40	0.2	0.7	1.4	0.1	0.4	0.9
Ci	ear_Sky	95	30	86	BLACK_TOP	-15	0.05	0.20	0.45	0.2	0.7	1.6	0.1	0.4	1.0
CI	ear_Sky	95	30	86	BLACK_TOP	-10	0.10	0.30	0.50	0.4	1.1	1.8	0.2	0.7	1.1
Cle	ear_Sky	95	30	86	BLACK_TOP	-5	0.15	0.35	0.60	0.5	1.3	2.2	0.3	8.0	1.3
CI	ear_Sky	95	30	86	BLACK_TOP	0	0.25	0.45	0.70	0.9	1.6	2.5	0.6	1.0	1.6
Cle	ear_Sky	95	30	86	BLACK_TOP	5	0.05	0.15	0.35	0.2	0.5	1.3	0.1	0.3	8.0
Cle	ear_Sky	95	30	86	BLACK_TOP	10	0.00	0.05	0.20	0.0	0.2	0.7	0.0	0.1	0.4
Cle	ear_Sky	95	30	86	BLACK_TOP	15	0.00	0.05	0.10	0.0	0.2	0.4	0.0	0.1	0.2
Cle	ear_Sky	95	30	86	BLACK_TOP	20	0.00	0.00	0.10	0.0	0.0	0.4	0.0	0.0	0.2
Cie	ear_Sky	95	30	86	BLACK_TOP	30	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Cle	ear_Sky	95	30	86	BLACK_TOP	40	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Cle	ear_Sky	95	30	86	BLACK_TOP	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cle	ear_Sky	95	30	86	DIRT_ROAD	-50	0.00	0.05	0.15	0.0	0.2	0.5	0.0	0.1	0.3
Cle	ear_Sky	95	30	86	DIRT_ROAD	-40	0.00	0.10	0.20	0.0	0.4	0.7	0.0	0.2	0.4
Cle	ear_Sky	95	30	86	DIRT_ROAD	-30	0.00	0.10	0.25	0.0	0.4	0.9	0.0	0.2	0.6
Cle	ear_Sky	95	30	86	DIRT_ROAD	-20	0.05	0.15	0.35	0.2	0.5	1.3	0.1	0.3	8.0
Cle	ear_Sky	95	30	86	DIRT_ROAD	-15	0.05	0.20	0.40	0.2	0.7	1.4	0.1	0.4	0.9
Cle	ear_Sky	95	30	86	DIRT_ROAD	-10	0.10	0.25	0.50	0.4	0.9	1.8	0.2	0.6	1.1
Cle	ear_Sky	95	30	86	DIRT_ROAD	-5	0.15	0.35	0.55	0.5	1.3	2.0	0.3	0.8	1.2
Cle	ear_Sky	95	30	86	DIRT_ROAD	0	0.25	0.45	0.65	0.9	1.6	2.3	0.6	1.0	1.5
Cle	ear_Sky	95	30	86	DIRT_ROAD	5	0.05	0.15	0.30	0.2	0.5	1.1	0.1	0.3	0.7
Cle	ear_Sky	95	30	86	DIRT_ROAD	10	0.00	0.05	0.15	0.0	0.2	0.5	0.0	0.1	0.3
Cle	ear_Sky	9 5	30	86	DIRT_ROAD	15	0.00	0.05	0.10	0.0	0.2	0.4	0.0	0.1	0.2
Cle	ear_Sky	95	30	86	DIRT_ROAD	20	0.00	0.00	0.10	0.0	0.0	0.4	0.0	0.0	0.2
Cle	ear_Sky	95	30	86	DIRT_ROAD	30	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Cle	ear_Sky	95	30	86	DIRT_ROAD	40	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Cle	ear_Sky	95	30	86	DIRT_ROAD	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cle	ear_Sky	95	30	86	LOOSE_SAND	-50	0.00	0.00	0.10	0.0	0.0	0.4	0.0	0.0	0.2
	ear_Sky	95	30	86	LOOSE_SAND	-40	0.00	0.05	0.10	0.0	0.2	0.4	0.0	0.1	0.2
Cle	ear_Sky	95	30	86	LOOSE_SAND	-30	0.00	0.05	0.15	0.0	0.2	0.5	0.0	0.1	0.3
Cle	ear_Sky	95	30	86	LOOSE_SAND	-20	0.00	0.10	0.20	0.0	0.4	0.7	0.0	0.2	0.4
Cle	ear_Sky	95	30	86	LOOSE_SAND	-15	0.00	0.10	0.25	0.0	0.4	0.9	0.0	0.2	0.6
Cle	ear_Sky	95	30	86	LOOSE_SAND	-10	0.05	0.15	0.30	0.2	0.5	1.1	0.1	0.3	0.7
Cle	ear_Sky	95	30	86	LOOSE_SAND	-5	0.05	0.20	0.40	0.2	0.7	1.4	0.1	0.4	0.9
Cle	ear_Sky	95	30	86	LOOSE_SAND	0	0.15	0.30	0.50	0.5	1.1	1.8	0.3	0.7	1.1
Cle	ear_Sky	95	30	86	LOOSE_SAND	5	0.00	0.05	0.15	0.0	0.2	0.5	0.0	0.1	0.3
Cle	ear_Sky	95	30	86	LOOSE_SAND	10	0.00	0.00	0.10	0.0	0.0	0.4	0.0	0.0	0.2
Cle	ar_Sky	95	30	86	LOOSE_SAND	15	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Cle	ear_Sky	95	30	86	LOOSE_SAND	20	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Cle	ear_Sky	9 5	30	86	LOOSE_SAND	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cle	ear_Sky	95	30	86	LOOSE_SAND	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cle	ar_Sky	95	30	86	LOOSE_SAND	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0

Table D-35. Maximum Sustainable Speed, Clear Sky, 95% Humidity, 35°C (95°F)

Cloud	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	e Speed ond)		stainabl meters/l	e Speed hour)		stainabi niles/hor	
							Risk Lev	el	F	lisk Lev	el	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Clear_Sky	95	35	95	BLACK_TOP	-50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	BLACK_TOP	-40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	BLACK_TOP	-30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	BLACK_TOP	-20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	BLACK_TOP	-15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	BLACK_TOP	-10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	BLACK_TOP	-5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	BLACK_TOP	0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	BLACK_TOP	5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	BLACK_TOP	10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	BLACK_TOP	15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	BLACK_TOP	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	BLACK_TOP	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	BLACK_TOP	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	BLACK_TOP	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	DIRT_ROAD	-50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	DIRT_ROAD	-40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	DIRT_ROAD	-30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	DIRT_ROAD	-20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	3 5	95	DIRT_ROAD	-15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	DIRT_ROAD	-10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	DIRT_ROAD	-5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	DIRT_ROAD	0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	DIRT_ROAD	5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	DIRT_ROAD	10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	DIRT_ROAD	15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	DIRT_ROAD	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	DIRT_ROAD	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	DIRT_ROAD	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	9 5	DIRT_ROAD	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	LOOSE_SAND	-50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	LOOSE_SAND	-40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	LOOSE_SAND	-30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	LOOSE_SAND	-20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	9 5	35	95	LOOSE_SAND	-15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	LOOSE_SAND	-10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	LOOSE_SAND	-5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	LOOSE_SAND	0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	LOOSE_SAND	5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	LOOSE_SAND	10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	LOOSE_SAND	15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	LOOSE_SAND	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	LOOSE_SAND	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	LOOSE_SAND	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Clear_Sky	95	35	95	LOOSE_SAND	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0

Appendix E

Maximum Sustainable Speed Tables, Cloudy

Table E-1. Maximum Sustainable Speed, Cloudy, 5% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			meters/h	our)	(n	niles/hou	ır)
						F	Risk Leve	el	F	lisk Leve	əl	F	Risk Leve	el .
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	5	5	41	BLACK_TOP	-50	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Cloudy	5	5	41	BLACK_TOP	-40	1.20	1.45	1.75	4.3	5.2	6.3	2.7	3.2	3.9
Cloudy	5	5	41	BLACK_TOP	-30	1.35	1.60	1.90	4.9	5.8	6.8	3.0	3.6	4.3
Cloudy	5	5	41	BLACK_TOP	-20	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Cloudy	5	5	41	BLACK_TOP	-15	1.60	1.85	2.20	5.8	6.7	7.9	3.6	4.1	4.9
Cloudy	5	5	41	BLACK_TOP	-10	1.70	1.95	2.30	6.1	7.0	8.3	3.8	4.4	5.2
Cioudy	5	5	41	BLACK_TOP	-5	1.80	2.10	2.40	6.5	7.6	8.6	4.0	4.7	5.4
Cloudy	5	5	41	BLACK_TOP	0	1.90	2.20	2.50	6.8	7.9	9.0	4.3	4.9	5.6
Cloudy	5	5	41	BLACK_TOP	5	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Cloudy	5	5	41	BLACK_TOP	10	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Cloudy	5	5	41	BLACK_TOP	15	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Cloudy	5	5	41	BLACK_TOP	20	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Cloudy	5	5	41	BLACK_TOP	30	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Cloudy	5	5	41	BLACK_TOP	40	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Cloudy	5	5	41	BLACK_TOP	50	0.30	0.40	0.50	1.1	1.4	1.8	. 0.7	0.9	1.1
Cloudy	5	5	41	DIRT_ROAD	-50	1.00	1.20	1.50	3.6	4.3	5.4	2.2	2.7	3.4
Cloudy	5	5	41	DIRT_ROAD	-40	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Cloudy	5	5	41	DIRT_ROAD	-30	1.25	1.50	1.80	4.5	5.4	6.5	2.8	3.4	4.0
Cloudy	5	5	41	DIRT_ROAD	-20	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Cloudy	5	5	41	DIRT_ROAD	-15	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Cloudy	5	5	41	DIRT_ROAD	-10	1.60	1.85	2.20	5.8	6.7	7.9	3.6	4.1	4.9
Cloudy	5	5	41	DIRT_ROAD	-5	1.70	2.00	2.30	6.1	7.2	8.3	3.8	4.5	5.2
Cloudy	5	5	41	DIRT_ROAD	0	1.80	2.10	2.40	6.5	7.6	8.6	4.0	4.7	5.4
Cloudy	5	5	41	DIRT_ROAD	5	1.30	1.60	1.90	4.7	5.8	6.8	2.9	3.6	4.3
Cloudy	5	5	41	DIRT_ROAD	10	1.00	1.20	1.50	3.6	4.3	5.4	2.2	2.7	3.4
Cloudy	5	5	41	DIRT_ROAD	15	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Cloudy	5	5	41	DIRT_ROAD	20	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Cloudy	5	5	41	DIRT_ROAD	30	0.45	0.55	0.75	1.6	2.0	2.7	1.0	1.2	1.7
Cloudy	5	5	41	DIRT_ROAD	40	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
Cloudy	5	5	41	DIRT_ROAD	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Cloudy	5	5	41	LOOSE_SAND	-50	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Cloudy	5	5	41	LOOSE_SAND	-40	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Cloudy	5	5	41	LOOSE_SAND	-30	0.80	0.95	1.15	2.9	3.4	4.1	1.8	2.1	2.6
Cloudy	5	5	41	LOOSE_SAND	-20	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
Cloudy	5	5	41	LOOSE_SAND	-15	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Cloudy	5	5	41	LOOSE_SAND	-10	1.10	1.30	1.50	4.0	4.7	5.4	2.5	2.9	3.4
Cloudy	5	5	41	LOOSE_SAND	-5	1.20	1.40	1.60	4.3	5.0	5.8	2.7	3.1	3.6
Cloudy	5	5	41	LOOSE_SAND	0	1.30	1.50	1.75	4.7	5.4	6.3	2.9	3.4	3.9
Cloudy	5	5	41	LOOSE_SAND	5	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Cloudy	5	5	41	LOOSE_SAND	10	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Cloudy	5	5	41	LOOSE_SAND	15	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Cloudy	5	5	41	LOOSE_SAND	20	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Cloudy	5	5	41	LOOSE_SAND	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Cloudy	5	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Cloudy	5	5	41	LOOSE_SAND	50	0.15	0.15	0.25	0.5	0.5	0.9	0.3	0.3	0.6

Table E-2. Maximum Sustainable Speed, Cloudy, 5% Humidity, 10°C (50°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec			stainabl meters/i	e Speed nour)		stainabl	
						F	Risk Lev	el	F	lisk Lev	el	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	5	10	50	BLACK_TOP	-50	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Cloudy	5	10	50	BLACK_TOP	-40	1.10	1.35	1.75	4.0	4.9	6.3	2.5	3.0	3.9
Cloudy	5	10	50	BLACK_TOP	-30	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Cloudy	5	10	50	BLACK_TOP	-20	1.40	1.70	2.10	5.0	6.1	7.6	3.1	3.8	4.7
Cloudy	5	10	50	BLACK_TOP	-15	1.50	1.80	2.20	5.4	6.5	7.9	3.4	4.0	4.9
Cloudy	5	10	50	BLACK_TOP	-10	1.60	1.90	2.30	5.8	6.8	8.3	3.6	4.3	5.2
Cloudy	5	10	50	BLACK_TOP	-5	1.70	2.00	2.40	6.1	7.2	8.6	3.8	4.5	5.4
Cloudy	5	10	50	BLACK_TOP	0	1.85	2.10	2.50	6.7	7.6	9.0	4.1	4.7	5.6
Cloudy	5	10	50	BLACK_TOP	5	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Cloudy	5	10	50	BLACK_TOP	10	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Cloudy	5	10	50	BLACK_TOP	15	0.75	1.00	1.30	2.7	3.6	4.7	1.7	2.2	2.9
Cloudy	5	10	50	BLACK_TOP	20	0.60	0.80	1.10	2.2	2.9	4.0	1.3	1.8	2.5
Cloudy	5	10	50	BLACK_TOP	30	0.45	0.55	0.80	1.6	2.0	2.9	1.0	1.2	1.8
Cloudy	5	10	50	BLACK_TOP	40	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Cloudy	5	10	50	BLACK_TOP	50	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Cloudy	5	10	50	DIRT_ROAD	-50	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Cloudy	5	10	50	DIRT_ROAD	-40	1.05	1.25	1.65	3.8	4.5	5.9	2.4	2.8	3.7
Cloudy	5	10	50	DIRT_ROAD	-30	1.20	1.40	1.80	4.3	5.0	6.5	2.7	3.1	4.0
Cloudy	5	10	50	DIRT_ROAD	-20	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Cloudy	5	10	50	DIRT_ROAD	-15	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Cloudy	5	10	50	DIRT_ROAD	-10	1.50	1.80	2.20	5.4	6.5	7.9	3.4	4.0	4.9
Cloudy	5	10	50	DIRT_ROAD	-5	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
Cloudy	5	10	50	DIRT_ROAD	0	1.75	2.00	2.40	6.3	7.2	8.6	3.9	4.5	5.4
Cloudy	5	10	50	DIRT_ROAD	5	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Cloudy	5	10	50	DIRT_ROAD	10	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Cloudy	5	10	50	DIRT_ROAD	15	0.70	0.90	1.20	2.5	3.2	4.3	1.6	2.0	2.7
Cloudy	5	10	50	DIRT_ROAD	20	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Cloudy	5	10	50	DIRT_ROAD	30	0.40	0.50	0.75	1.4	1.8	2.7	0.9	1.1	1.7
Cloudy	5	10	50	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	5	10	50	DIRT_ROAD	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Cloudy	5	10	50	LOOSE_SAND	-50	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Cloudy	5	10	50	LOOSE_SAND	-40	0.65	0.80	1.05	2.3	2.9	3.8	1.5	1.8	2.4
Cloudy	5	10	50	LOOSE_SAND	-30	0.75	0.90	1.15	2.7	3.2	4.1	1.7	2.0	2.6
Cloudy	5	10	50	LOOSE_SAND	-20	0.85	1.05	1.35	3.1	3.8	4.9	1.9	2.4	3.0
Cloudy	5	10	50	LOOSE_SAND	-15	0.95	1.15	1.40	3.4	4.1	5.0	2.1	2.6	3.1
Cloudy	5	10	50	LOOSE_SAND	-10	1.05	1.25	1.50	3.8	4.5	5.4	2.4	2.8	3.4
Cloudy	5	10	50	LOOSE_SAND	-5	1.15	1.35	1.60	4.1	4.9	5.8	2.6	3.0	3.6
Cloudy	5	10	50	LOOSE_SAND	0	1.25	1.45	1.75	4.5	5.2	6.3	2.8	3.2	3.9
Cloudy	5	10	50	LOOSE_SAND	5	0.80	0.95	1.25	2.9	3.4	4.5	1.8	2.1	2.8
Cloudy	5	10	50	LOOSE_SAND	10	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Cloudy	5	10	50	LOOSE_SAND	15	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Cloudy	5	10	50	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	5	10	50	LOOSE_SAND	30	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Cloudy	5	10	50	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Cloudy	5	10	50	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table E-3. Maximum Sustainable Speed, Cloudy, 5% Humidity, 15°C (59°F)

	Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			meters/h	our)	(n	niles/hou	ır)
							F	Risk Leve	i	F	lisk Leve	ol .	F	Risk Leve	əl
							Low	Mod	High	Low	Mod	High	Low	Mod	High
_	Cloudy	5	15	59	BLACK_TOP	-50	0.90	1.15	1.55	3.2	4.1	5.6	2.0	2.6	3.5
	Cloudy	5	15	59	BLACK_TOP	-40	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
ŀ	Cloudy	5	15	59	BLACK_TOP	-30	1.15	1.45	1.85	4.1	5.2	6.7	2.6	3.2	4.1
	Cloudy	5	15	59	BLACK_TOP	-20	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
l	Cloudy	5	15	59	BLACK_TOP	-15	1.40	1.70	2.10	5.0	6.1	7.6	3.1	3.8	4.7
	Cloudy	5	15	59	BLACK_TOP	-10	1.50	1.80	2.20	5.4	6.5	7.9	3.4	4.0	4.9
	Cloudy	5	15	59	BLACK_TOP	-5	1.60	1.90	2.30	5.8	6.8	8.3	3.6	4.3	5.2
	Cloudy	5	15	59	BLACK_TOP	0	1.75	2.00	2.45	6.3	7.2	8.8	3.9	4.5	5.5
	Cloudy	5	15	59	BLACK_TOP	5	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
	Cloudy	5	15	59	BLACK_TOP	10	0.90	1.15	1.55	3.2	4.1	5.6	2.0	2.6	3.5
	Cloudy	5	15	59	BLACK_TOP	15	0.70	0.90	1.25	2.5	3.2	4.5	1.6	2.0	2.8
	Cloudy	5	15	59	BLACK_TOP	20	0.55	0.75	1.05	2.0	2.7	3.8	1.2	1.7	2.4
	Cloudy	5	15	59	BLACK_TOP	30	0.40	0.50	0.75	1.4	1.8	2.7	0.9	1.1	1.7
ı	Cloudy	5	15	59	BLACK_TOP	40	0.30	0.40	0.60	1.1	1.4	2.2	0.7	0.9	1.3
	Cloudy	5	15	59	BLACK_TOP	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
	-	5	15	59	DIRT_ROAD	-50	0.85	1.05	1.45	3.1	3.8	5.2	1.9	2.4	3.2
	Cloudy	5	15	59	DIRT_ROAD	-40	0.95	1.20	1.55	3.4	4.3	5.6	2.1	2.7	3.5
1	Cloudy Cloudy	5	15	59	DIRT_ROAD	-30	1.10	1.35	1.70	4.0	4.9	6.1	2.5	3.0	3.8
l	•	5	15	59	DIRT_ROAD	-20	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
	Cloudy		15	59	DIRT_ROAD	-15	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
	Cloudy	5 5	15	59 59	DIRT_ROAD	-10	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
ł	Cloudy		15	59	DIRT_ROAD	-5	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
	Cloudy	5	15	59	DIRT_ROAD	0	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
1	Cloudy	5	15	59	DIRT_ROAD	5	1.15	1.40	1.80	4.1	5.0	6.5	2.6	3.1	4.0
1	Cloudy	5	15	59	DIRT_ROAD	10	0.85	1.05	1.45	3.1	3.8	5.2	1.9	2.4	3.2
	Cloudy	5	15	59 59	DIRT_ROAD	15	0.65	0.85	1.15	2.3	3.1	4.1	1.5	1.9	2.6
	Cloudy	5	15	59 59	DIRT_ROAD	20	0.50	0.70	0.95	1.8	2.5	3.4	1.1	1.6	2.1
	Cloudy	5			DIRT_ROAD	30	0.35	0.70	0.70	1.3	1.8	2.5	0.8	1.1	1.6
	Cloudy	5	15	59	DIRT_ROAD	40	0.35	0.35	0.75	0.9	1.3	2.0	0.6	0.8	1.2
	Cloudy	5	15	59	DIRT_ROAD	50	0.20	0.30	0.35	0.7	1.1	1.6	0.4	0.7	1.0
	Cloudy	5	15	59	LOOSE_SAND	-50	0.50	0.65	0.45	1.8	2.3	3.1	1.1	1.5	1.9
1	Cloudy	5	15	59		-50 -40	0.55	0.05	1.00	2.0	2.7	3.6	1.2	1.7	2.2
	Cloudy	5	15	59	LOOSE_SAND		0.55	0.75	1.10	2.5	3.1	4.0	1.6	1.9	2.5
	Cloudy	5	15	59	LOOSE_SAND	-30	0.80		1.25	2.9	3.6	4.5	1.8	2.2	2.8
	Cloudy	5	15	59		-20	l	1.00	1.35	3.2	3.8	4.9	2.0	2.4	3.0
l	Cloudy	5	15	59	LOOSE_SAND	-15	0.90	1.05	1.45	3.6	4.1	5.2	2.2	2.6	3.2
	Cloudy	5	15	59	LOOSE_SAND	-10	1.00	1.15	1.55	4.0	4.5	5.6	2.5	2.8	3.5
l	Cloudy	5	15	59	LOOSE_SAND	-5	1.10	1.25			5.0	5.9	2.7	3.1	3.7
1	Cloudy	5	15	59	LOOSE_SAND	0	1.20	1.40	1.65 1.20	4.3 2.7	3.2	4.3	1.7	2.0	2.7
l	Cloudy	5	15	59	LOOSE_SAND	5	0.75	0.90		1	2.3	4.3 3.1	1.7	1.5	1.9
1	Cloudy	5	15	59	LOOSE_SAND	10	0.50	0.65	0.85	1.8		2.3	0.8	1.0	1.5
	Cloudy	5	15	59	LOOSE_SAND	15	0.35	0.45	0.65	1.3	1.6		i	0.8	1.2
	Cloudy	5	15	59	LOOSE_SAND	20	0.25	0.35	0.55	0.9	1.3	2.0	0.6	0.6	0.8
	Cloudy	5	15	59	LOOSE_SAND	30	0.20	0.25	0.35	0.7	0.9	1.3	0.4		
	Cloudy	5	15	59	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
	Cloudy	5	15	59	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table E-4. Maximum Sustainable Speed, Cloudy, 5% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec			stainable meters/l			stainabl niles/ho	e Speed ur)
						F	Risk Lev	el .		Risk Leve			Risk Lev	
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	5	20	68	BLACK_TOP	-50	0.85	1.05	1.40	3.1	3.8	5.0	1.9	2.4	3.1
Cloudy	5	20	68	BLACK_TOP	-40	0.95	1.20	1.55	3.4	4.3	5.6	2.1	2.7	3.5
Cloudy	5	20	68	BLACK_TOP	-30	1.10	1.35	1.70	4.0	4.9	6.1	2.5	3.0	3.8
Cloudy	5	20	68	BLACK_TOP	-20	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Cloudy	5	20	68	BLACK_TOP	-15	1.30	1.60	2.00	4.7	5.8	7.2	2.9	3.6	4.5
Cloudy	5	20	68	BLACK_TOP	-10	1.40	1.70	2.10	5.0	6.1	7.6	3.1	3.8	4.7
Cloudy	5	20	68	BLACK_TOP	-5	1.50	1.80	2.20	5.4	6.5	7.9	3.4	4.0	4.9
Cloudy	5	20	68	BLACK_TOP	0	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
Cloudy	5	20	68	BLACK_TOP	5	1.15	1.40	1.80	4.1	5.0	6.5	2.6	3.1	4.0
Cloudy	5	20	68	BLACK_TOP	10	0.85	1.05	1.40	3.1	3.8	5.0	1.9	2.4	3.1
Cloudy	5	20	68	BLACK_TOP	15	0.65	0.85	1.15	2.3	3.1	4.1	1.5	1.9	2.6
Cloudy	5	20	68	BLACK_TOP	20	0.50	0.70	0.95	1.8	2.5	3.4	1.1	1.6	2.1
Cloudy	5	20	68	BLACK_TOP	30	0.35	0.50	0.70	1.3	1.8	2.5	0.8	1.1	1.6
Cloudy	5	20	68	BLACK_TOP	40	0.25	0.35	0.55	0.9	1.3	2.0	0.6	0.8	1.2
Cloudy	5	20	68	BLACK_TOP	50	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Cloudy	5	20	68	DIRT_ROAD	-50	0.75	1.00	1.30	2.7	3.6	4.7	1.7	2.2	2.9
Cloudy	5	20	68	DIRT_ROAD	-40	0.90	1.10	1.45	3.2	4.0	5.2	2.0	2.5	3.2
Cloudy	5	20	68	DIRT_ROAD	-30	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Cloudy	5	20	68	DIRT_ROAD	-20	1.15	1.40	1.80	4.1	5.0	6.5	2.6	3.1	4.0
Cloudy	5	20	68	DIRT_ROAD	-15	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Cloudy	5	20	68	DIRT_ROAD	-10	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Cloudy	5	20	68	DIRT_ROAD	- 5	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Cloudy	5	20	68	DIRT_ROAD	0	1.55	1.85	2.20	5.6	6.7	7.9	3.5	4.1	4.9
Cloudy	5	20	68	DIRT_ROAD	5	1.10	1.35	1.70	4.0	4.9	6.1	2.5	3.0	3.8
Cloudy	5	20	68	DIRT_ROAD	10	0.75	1.00	1.30	2.7	3.6	4.7	1.7	2.2	2.9
Cloudy	5	20	68	DIRT_ROAD	15	0.60	0.75	1.05	2.2	2.7	3.8	1.3	1.7	2.4
Cloudy	5	20	68	DIRT_ROAD	20	0.45	0.60	0.85	1.6	2.2	3.1	1.0	1.3	1.9
Cloudy	5	20	68	DIRT_ROAD	30	0.30	0.45	0.60	1.1	1.6	2.2	0.7	1.0	1.3
Cloudy	5	20	68	DIRT_ROAD	40	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Cloudy	5	20	68	DIRT_ROAD	50	0.20	0.25	0.40	0.7	0.9	1.4	0.6	0.6	0.9
Cloudy	5	20	68	LOOSE_SAND	-50	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Cloudy	5	20	68	LOOSE_SAND	-40	0.50	0.65	0.90	1.8	2.3	3.2	1.1	1.5	2.0
Cloudy	5	20	68	LOOSE_SAND	-30	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Cloudy	5	20	68	LOOSE_SAND	-20	0.75	0.95	Į.	2.7	3.4	4.3			
Cloudy	5	20	68	LOOSE_SAND	-15	0.75	1.00	1.20 1.30	2.9	3.4	4.3	1.7 1.8	2.1 2.2	2.7 2.9
Cloudy	5	20	68	LOOSE_SAND	-10	0.90	1.10	1.35	3.2	4.0	4.7	2.0	2.5	3.0
Cloudy	5	20	68	LOOSE_SAND	-5	1.00	1.20	1.50	3.6	4.3	5.4	2.2	2.5	3.4
Cloudy	5	20	68	LOOSE_SAND	0	1.10	1.30	1.60	4.0	4.3 4.7	5.8	2.5	2.7	3.6
Cloudy	5	20	68	LOOSE_SAND	5	0.70	0.85	1.10	2.5	3.1	4.0	1.6	1.9	2.5
Cloudy	5	20	68	LOOSE_SAND	10	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Cloudy	5	20	68	LOOSE_SAND	15	0.30	0.45	0.60	1.1	1.6	2.9		1.0	
Cloudy	5	20	68	LOOSE_SAND	20	0.30	0.45				1	0.7		1.3
Cloudy	5	20	68	LOOSE_SAND	30	0.25		0.50	0.9	1.3	1.8	0.6	0.8	1.1
•		20	68	LOOSE_SAND			0.20	0.35	0.5	0.7	1.3	0.3	0.4	0.8
Cloudy	5				40	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Cloudy	5	20	68	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table E-5. Maximum Sustainable Speed, Cloudy, 5% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	•	Max Su (kilo	stainabl meters/l			stainabl niles/hor	
						F	Risk Leve	əl	F	Risk Leve	el -	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	5	25	77	BLACK_TOP	-50	0.75	1.00	1.30	2.7	3.6	4.7	1.7	2.2	2.9
Cloudy	5	25	77	BLACK_TOP	-40	0.85	1.10	1.45	3.1	4.0	5.2	1.9	2.5	3.2
Cloudy	5	25	77	BLACK_TOP	-30	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Cloudy	5	25	77	BLACK_TOP	-20	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Cloudy	5	25	77	BLACK_TOP	-15	1.20	1.50	1.85	4.3	5.4	6.7	2.7	3.4	4.1
Cloudy	5	25	77	BLACK_TOP	-10	1.30	1.60	1.95	4.7	5.8	7.0	2.9	3.6	4.4
Cloudy	5	25	77	BLACK_TOP	-5	1.40	1.70	2.05	5.0	6.1	7.4	3.1	3.8	4.6
Cloudy	5	25	77	BLACK_TOP	0	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Cloudy	5	25	77	BLACK_TOP	5	1.05	1.35	1.65	3.8	4.9	5.9	2.4	3.0	3.7
Cloudy	5	25	77	BLACK_TOP	10	0.75	1.00	1.30	2.7	3.6	4.7	1.7	2.2	2.9
Cloudy	5	25	77	BLACK_TOP	15	0.55	0.75	1.05	2.0	2.7	3.8	1.2	1.7	2.4
Cloudy	5	25	77	BLACK_TOP	20	0.45	0.60	0.85	1.6	2.2	3.1	1.0	1.3	1.9
Cloudy	5	25	77	BLACK_TOP	30	0.30	0.45	0.60	1.1	1.6	2.2	0.7	1.0	1.3
Cloudy	5	25	77	BLACK_TOP	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Cloudy	5	25	77	BLACK_TOP	50	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Cloudy	5	25	77	DIRT_ROAD	-50	0.70	0.90	1.20	2.5	3.2	4.3	1.6	2.0	2.7
•	5	25	77	DIRT_ROAD	-40	0.80	1.05	1.35	2.9	3.8	4.9	1.8	2.4	3.0
Cloudy		25	77	DIRT_ROAD	-30	0.90	1.15	1.50	3.2	4.1	5.4	2.0	2.6	3.4
Cloudy	5	25 25	77	DIRT_ROAD	-20	1.05	1.35	1.65	3.8	4.9	5.9	2.4	3.0	3.7
Cloudy	5	25 25	77	DIRT_ROAD	-15	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Cloudy	5			DIRT_ROAD	-10	1.15	1.50	1.85	4.5	5.4	6.7	2.8	3.4	4.1
Cloudy	5	25	77					1.95	4.9	5.8	7.0	3.0	3.6	4.4
Cloudy	5	25	77	DIRT_ROAD	- 5	1.35	1.60	2.10	5.2	6.3	7.6	3.2	3.9	4.7
Cloudy	5	25	77	DIRT_ROAD	0	1.45	1.75						2.8	3.5
Cloudy	5	25	77	DIRT_ROAD	5	1.00	1.25	1.55	3.6	4.5	5.6	2.2		
Cloudy	5	25	77	DIRT_ROAD	10	0.70	0.90	1.20	2.5	3.2	4.3	1.6	2.0	2.7
Cloudy	5	25	77	DIRT_ROAD	15	0.50	0.70	0.95	1.8	2.5	3.4	1.1	1.6	2.1
Cloudy	5	25	77	DIRT_ROAD	20	0.40	0.55	0.80	1.4	2.0	2.9	0.9	1.2	1.8
Cloudy	5	25	77	DIRT_ROAD	30	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	5	25	77	DIRT_ROAD	40	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Cloudy	5	25	77	DIRT_ROAD	50	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Cloudy	5	25	77	LOOSE_SAND	-50	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Cloudy	5	25	77	LOOSE_SAND	-40	0.45	0.60	0.85	1.6	2.2	3.1	1.0	1.3	1.9
Cloudy	5	25	77	LOOSE_SAND	-30	0.55	0.75	0.95	2.0	2.7	3.4	1.2	1.7	2.1
Cloudy	5	25	77	LOOSE_SAND	-20	0.70	0.85	1.10	2.5	3.1	4.0	1.6	1.9	2.5
Cloudy	5	25	77	LOOSE_SAND	-15	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Cloudy	5	25	77	LOOSE_SAND	-10	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Cloudy	5	25	77	LOOSE_SAND	-5	0.95	1.15	1.40	3.4	4.1	5.0	2.1	2.6	3.1
Cloudy	5	25	77	LOOSE_SAND	0	1.05	1.25	1.50	3.8	4.5	5.4	2.4	2.8	3.4
Cloudy	5	25	77	LOOSE_SAND	5	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Cloudy	5	25	77	LOOSE_SAND	10	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Cloudy	5	25	77	LOOSE_SAND	15	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	5	25	77	LOOSE_SAND	20	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Cloudy	5	25	77	LOOSE_SAND	30	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Cloudy	5	25	77	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Cloudy	5	25	77	LOOSE_SAND	50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3

Table E-6. Maximum Sustainable Speed, Cloudy, 5% Humidity, 30°C (86°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl			stainable meters/f			stainabl niles/hou	
						F	Risk Leve	el	F	Risk Leve	əl	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	5	30	86	BLACK_TOP	-50	0.65	0.90	1.20	2.3	3.2	4.3	1.5	2.0	2.7
Cloudy	5	30	86	BLACK_TOP	-40	0.75	1.00	1.30	2.7	3.6	4.7	1.7	2.2	2.9
Cloudy	5	30	86	BLACK_TOP	-30	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Cloudy	5	30	86	BLACK_TOP	-20	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
Cloudy	5	30	86	BLACK_TOP	-15	1.10	1.40	1.70	4.0	5.0	6.1	2.5	3.1	3.8
Cloudy	5	30	86	BLACK_TOP	-10	1.20	1.50	1.80	4.3	5.4	6.5	2.7	3.4	4.0
Cloudy	5	30	86	BLACK_TOP	-5	1.30	1.60	1.95	4.7	5.8	7.0	2.9	3.6	4.4
Cloudy	5	30	86	BLACK_TOP	0	1.45	1.70	2.05	5.2	6.1	7.4	3.2	3.8	4.6
Cloudy	5	30	86	BLACK_TOP	5	0.95	1.25	1.55	3.4	4.5	5.6	2.1	2.8	3.5
Cloudy	5	30	86	BLACK_TOP	10	0.65	0.90	1.20	2.3	3.2	4.3	1.5	2.0	2.7
Cloudy	5	30	86	BLACK_TOP	15	0.50	0.70	0.95	1.8	2.5	3.4	1.1	1.6	2.1
Cloudy	5	30	86	BLACK_TOP	20	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Cloudy	5	30	86	BLACK_TOP	30	0.25	0.40	0.55	0.9	1.4	2.0	0.6	0.9	1.2
Cloudy	5	30	86	BLACK_TOP	40	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Cloudy	5	30	86	BLACK_TOP	50	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Cloudy	5	30	86	DIRT_ROAD	-50	0.60	0.85	1.10	2.2	3.1	4.0	1.3	1.9	2.5
Cloudy	5	30	86	DIRT_ROAD	-40	0.70	0.95	1.20	2.5	3.4	4.3	1.6	2.1	2.7
Cloudy	5	30	86	DIRT_ROAD	-30	0.85	1.10	1.35	3.1	4.0	4.9	1.9	2.5	3.0
Cloudy	5	30	86	DIRT_ROAD	-20	0.95	1.25	1.55	3.4	4.5	5.6	2.1	2.8	3.5
Cloudy	5	30	86	DIRT_ROAD	-15	1.05	1.35	1.65	3.8	4.9	5.9	2.4	3.0	3.7
Cloudy	5	30	86	DIRT_ROAD	-10	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Cloudy	5	30	86	DIRT_ROAD	-5	1.25	1.55	1.85	4.5	5.6	6.7	2.8	3.5	4.1
Cloudy	5	30	86	DIRT_ROAD	0	1.35	1.65	1.95	4.9	5.9	7.0	3.0	3.7	4.4
Cloudy	5	30	86	DIRT_ROAD	5	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Cloudy	5	30	86	DIRT_ROAD	10	0.60	0.85	1.10	2.2	3.1	4.0	1.3	1.9	2.5
Cloudy	5	30	86	DIRT_ROAD	15	0.45	0.65	0.85	1.6	2.3	3.1	1.0	1.5	1.9
Cloudy	5	30	86	DIRT_ROAD	20	0.35	0.50	0.70	1.3	1.8	2.5	0.8	1.1	1.6
Cloudy	5	30	86	DIRT_ROAD	30	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Cloudy	5	30	86	DIRT_ROAD	40	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Cloudy	5	30	86	DIRT_ROAD	50	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Cloudy	5	30	86	LOOSE_SAND	-50	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Cloudy	5	30	86	LOOSE_SAND	-40	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Cloudy	5	30	86	LOOSE_SAND	-30	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Cloudy	5	30	86	LOOSE_SAND	-20	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Cloudy	5	30	86	LOOSE_SAND	-15	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Cloudy	5	30	86	LOOSE_SAND	-10	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Cloudy	5	30	86	LOOSE_SAND	-5	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Cloudy	5	30	86	LOOSE_SAND	0	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Cloudy	5	30	86	LOOSE_SAND	5	0.55	0.75	0.95	2.0	2.7	3.4	1.2	1.7	2.1
Cloudy	5	30	86	LOOSE_SAND	10	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Cloudy	5	30	86	LOOSE_SAND	15	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Cloudy	5	30	86	LOOSE_SAND	20	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Cloudy	5	30	86	LOOSE_SAND	30	0.10	0.20	0.25	0.4	0.7	0.9	0.2	0.4	0.6
Cloudy	5	30	86	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.5	0.2	0.3	0.4
Cloudy	5	30	86	LOOSE_SAND	50	0.05	0.10	0.15	0.4	0.4	0.7	0.1	0.2	0.4

Table E-7. Maximum Sustainable Speed, Cloudy, 5% Humidity, 35°C (95°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainabl meters/l			stainabl niles/hou	
						F	lisk Leve	əl	F	Risk Lev	el .	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	5	35	95	BLACK_TOP	-50	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Cloudy	5	35	95	BLACK_TOP	-40	0.65	0.95	1.20	2.3	3.4	4.3	1.5	2.1	2.7
Cloudy	5	35	95	BLACK_TOP	-30	0.80	1.05	1.30	2.9	3.8	4.7	1.8	2.4	2.9
Cloudy	5	35	95	BLACK_TOP	-20	0.90	1.20	1.50	3.2	4.3	5.4	2.0	2.7	3.4
Cloudy	5	35	95	BLACK_TOP	-15	1.00	1.30	1.60	3.6	4.7	5.8	2.2	2.9	3.6
Cloudy	5	35	95	BLACK_TOP	-10	1.10	1.40	1.65	4.0	5.0	5.9	2.5	3.1	3.7
Cloudy	5	35	95	BLACK_TOP	-5	1.20	1.50	1.80	4.3	5.4	6.5	2.7	3.4	4.0
Cloudy	5	35	95	BLACK_TOP	0	1.30	1.60	1.90	4.7	5.8	6.8	2.9	3.6	4.3
Cloudy	5	35	95	BLACK_TOP	5	0.85	1.15	1.40	3.1	4.1	5.0	1.9	2.6	3.1
Cloudy	5	35	95	BLACK_TOP	10	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Cloudy	5	35	95	BLACK_TOP	15	0.45	0.65	0.80	1.6	2.3	2.9	1.0	1.5	1.8
Cloudy	5	35	95	BLACK_TOP	20	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Cloudy	5	35	95	BLACK_TOP	30	0.20	0.35	0.45	0.7	1.3	1.6	0.4	0.8	1.0
Cloudy	5	35	95	BLACK_TOP	40	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Cloudy	5	35	95	BLACK_TOP	50	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Cloudy	5	35	95	DIRT_ROAD	-50	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Cloudy	5	35	95	DIRT_ROAD	-40	0.60	0.85	1.10	2.2	3.1	4.0	1.3	1.9	2.5
Cloudy	5	35	95	DIRT_ROAD	-30	0.75	1.00	1.25	2.7	3.6	4.5	1.7	2.2	2.8
Cloudy	5	35	95	DIRT_ROAD	-20	0.85	1.15	1.40	3.1	4.1	5.0	1.9	2.6	3.1
Cloudy	5	35	95	DIRT_ROAD	-15	0.95	1.25	1.50	3.4	4.5	5.4	2.1	2.8	3.4
Cloudy	5	35	95	DIRT_ROAD	-10	1.05	1.35	1.60	3.8	4.9	5.8	2.4	3.0	3.6
Cloudy	5	35	95	DIRT_ROAD	-5	1.15	1.45	1.70	4.1	5.2	6.1	2.6	3.2	3.8
Cloudy	5	35	95	DIRT_ROAD	0	1.25	1.55	1.80	4.5	5.6	6.5	2.8	3.5	4.0
Cloudy	5	35	95	DIRT_ROAD	5	0.80	1.05	1.30	2.9	3.8	4.7	1.8	2.4	2.9
•	5	35	95	DIRT_ROAD	10	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Cloudy	5	35	95	DIRT_ROAD	15	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Cloudy	5	35	95	DIRT_ROAD	20	0.30	0.45	0.60	1.1	1.6	2.2	0.7	1.0	1.3
Cloudy	5	3 5	95	DIRT_ROAD	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Cloudy Cloudy	5	35	95	DIRT_ROAD	40	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Cloudy	5	35	95	DIRT_ROAD	50	0.10	0.20	0.25	0.4	0.7	0.9	0.2	0.4	0.6
Cloudy	5	3 5	95	LOOSE_SAND	-50	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
	5	35	95	LOOSE_SAND	-40	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Cloudy Cloudy	5	35	95	LOOSE_SAND	-30	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Cloudy	5	35	95	LOOSE_SAND	-20	0.55	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Cloudy	5	35	95	LOOSE_SAND	-15	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Cloudy	5	35	95	LOOSE_SAND	-10	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Cloudy	5	35	95	LOOSE_SAND	-5	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Cloudy	5	35	95	LOOSE_SAND	0	0.90	1.10	1.30	3.2	4.0	4.7	2.0	2.5	2.9
Cloudy	5	35	95	LOOSE_SAND	5	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Cloudy	5	35	95	LOOSE_SAND	10	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
_	5	35	95	LOOSE_SAND	15	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Cloudy	5	35	95	LOOSE_SAND	20	0.20	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Cloudy		35	95	LOOSE_SAND	30	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Cloudy	5	35 35	95	LOOSE_SAND	40	0.10	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Cloudy	5		95 95	LOOSE_SAND	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Cloudy	5	35	95	LOUSE_SAND	OU.	0.05	0.10	0.10	U.E	U.4	V.* *	0.1	٧.٤	٧.٤

Table E-8. Maximum Sustainable Speed, Cloudy, 25% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec		Max Su (kilo	stainabl meters/l			stainabl niles/hou	
						F	Risk Leve	əl	F	Risk Leve	əi	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	25	5	41	BLACK_TOP	-50	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Cloudy	25	5	41	BLACK_TOP	-40	1.20	1.45	1.75	4.3	5.2	6.3	2.7	3.2	3.9
Cloudy	25	5	41	BLACK_TOP	-30	1.30	1.60	1.90	4.7	5.8	6.8	2.9	3.6	4.3
Cloudy	25	5	41	BLACK_TOP	-20	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Cloudy	25	5	41	BLACK_TOP	-15	1.60	1.85	2.20	5.8	6.7	7.9	3.6	4.1	4.9
Cloudy	25	5	41	BLACK_TOP	-10	1.70	1.95	2.30	6.1	7.0	8.3	3.8	4.4	5.2
Cloudy	25	5	41	BLACK_TOP	- 5	1.80	2.05	2.40	6.5	7.4	8.6	4.0	4.6	5.4
Cloudy	25	5	41	BLACK_TOP	0	1.90	2.20	2.50	6.8	7.9	9.0	4.3	4.9	5.6
Cloudy	25	5	41	BLACK_TOP	5	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Cloudy	25	5	41	BLACK_TOP	10	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Cloudy	25	5	41	BLACK_TOP	15	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Cloudy	25	5	41	BLACK_TOP	20	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Cloudy	25	5	41	BLACK_TOP	30	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Cloudy	25	5	41	BLACK_TOP	40	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Cloudy	25	5	41	BLACK_TOP	50	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Cloudy	25	5	41	DIRT_ROAD	-50	1.00	1.20	1.50	3.6	4.3	5.4	2.2	2.7	3.4
Cloudy	25	5	41	DIRT_ROAD	-40	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Cloudy	25	5	41	DIRT_ROAD	-30	1.25	1.50	1.80	4.5	5.4	6.5	2.8	3.4	4.0
Cloudy	25	5	41	DIRT_ROAD	-20	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Cloudy	25	5	41	DIRT_ROAD	-15	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Cloudy	25	5	41	DIRT_ROAD	-10	1.60	1.85	2.20	5.8	6.7	7.9	3.6	4.1	4.9
Cloudy	25	5	41	DIRT_ROAD	-5	1.70	1.95	2.30	6.1	7.0	8.3	3.8	4.4	5.2
Cloudy	25	5	41	DIRT_ROAD	0	1.80	2.10	2.40	6.5	7.6	8.6	4.0	4.7	5.4
Cloudy	25	5	41	DIRT_ROAD	5	1.30	1.60	1.90	4.7	5.8	6.8	2.9	3.6	4.3
Cloudy	25	5	41	DIRT_ROAD	10	1.00	1.20	1.50	3.6	4.3	5.4	2.2	2.7	3.4
Cloudy	25	5	41	DIRT_ROAD	15	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Cloudy	25	5	41	DIRT_ROAD	20	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Cloudy	25	5	41	DIRT_ROAD	30	0.45	0.55	0.75	1.6	2.0	2.7	1.0	1.2	1.7
Cloudy	25	5	41	DIRT_ROAD	40	0.30	0.45	0.75	1.1	1.6	2.0	0.7	1.0	
Cloudy	25 25	5	41	DIRT_ROAD	50	0.30	0.45	0.55	0.9	1.3	1.6	0.7	0.8	1.2 1.0
Cloudy	25 25	5	41	LOOSE_SAND	-50	0.60	0.35	0.45	2.2	2.7	3.2	1.3	1.7	
Cloudy	25 25	5	41	LOOSE_SAND	-50 -40	0.65	0.75	1.05	2.3	3.1	3.2			2.0
Cloudy	25 25	5	41	LOOSE_SAND	-30	0.80	0.85	1.15				1.5	1.9	2.4
Cloudy	25 25	5 5	41	LOOSE_SAND	-20	0.80			2.9 3.2	3.4 4.0	4.1 4.9	1.8	2.1	2.6 3.0
Cloudy	25 25	5	41	LOOSE_SAND	-15	1.00	1.10 1.20	1.35 1.40	3.6	4.0	5.0	2.0	2.5 2.7	
Cloudy	25	5	41	LOOSE_SAND	-10	1.10	1.30	1.50	4.0	4.3 4.7	5.4	2.2 2.5	2.7	3.1 3.4
Cloudy	25 25	5	41	LOOSE_SAND	-10 -5	1.10	1.40	1.60	4.3	5.0			2.9 3.1	
Cloudy	2 5	5	41	LOOSE_SAND	-5 0	1.30	1.50	1.75	4.3	5.4	5.8 6.3	2.7		3.6
Cloudy	25 25	5 5	41	LOOSE_SAND	5	0.85	1.00	1.75	3.1	3.6		2.9	3.4	3.9
-	25 25	5 5	41	LOOSE_SAND	10						4.5	1.9	2.2	2.8
Cloudy Cloudy	25 25	5	41	LOOSE_SAND	15	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
_	25 25	5 5	41	LOOSE_SAND	20	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Cloudy	25 25		41	LOOSE_SAND		0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Cloudy		5			30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Cloudy	25	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Cloudy	25	5	41	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table E-9. Maximum Sustainable Speed, Cloudy, 25% Humidity, 10° C (50° F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec			stainable meters/l			stainabl	
							Risk Lev	el	F	Risk Leve	ei e	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	25	10	50	BLACK_TOP	-50	1.00	1.20	1.60	3.6	4.3	5.8	2.2	2.7	3.6
Cloudy	25	10	50	BLACK_TOP	-40	1.10	1.35	1.75	4.0	4.9	6.3	2.5	3.0	3.9
Cloudy	25	10	50	BLACK_TOP	-30	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Cloudy	25	10	50	BLACK_TOP	-20	1.40	1.65	2.10	5.0	5.9	7.6	3.1	3.7	4.7
Cloudy	25	10	50	BLACK_TOP	-15	1.50	1.75	2.20	5.4	6.3	7.9	3.4	3.9	4.9
Cloudy	25	10	50	BLACK_TOP	-10	1.60	1.85	2.30	5.8	6.7	8.3	3.6	4.1	5.2
Cloudy	25	10	50	BLACK_TOP	- 5	1.70	2.00	2.40	6.1	7.2	8.6	3.8	4.5	5.4
Cloudy	25	10	50	BLACK_TOP	O	1.80	2.10	2.50	6.5	7.6	9.0	4.0	4.7	5.6
Cloudy	25	10	50	BLACK_TOP	5	1.30	1.60	2.00	4.7	5.8	7.2	2.9	3.6	4.5
Cloudy	25	10	50	BLACK_TOP	10	1.00	1.20	1.60	3.6	4.3	5.8	2.2	2.7	3.6
Cloudy	25	10	50	BLACK_TOP	15	0.75	0.95	1.30	2.7	3.4	4.7	1.7	2.1	2.9
Cloudy	25	10	50	BLACK_TOP	20	0.60	0.80	1.10	2.2	2.9	4.0	1.3	1.8	2.5
Cloudy	25	10	50	BLACK_TOP	30	0.45	0.55	0.80	1.6	2.0	2.9	1.0	1.2	1.8
Cloudy	25	10	50	BLACK_TOP	40	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Cloudy	25	10	50	BLACK_TOP	50	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Cloudy	25	10	50	DIRT_ROAD	-50	0.90	1.15	1.50	3.2	4.1	5.4	2.0	2.6	3.4
Cloudy	25	10	50	DIRT_ROAD	-4 0	1.05	1.25	1.65	3.8	4.5	5.9	2.4	2.8	3.7
Cloudy	25	10	50	DIRT_ROAD	-30	1.15	1.40	1.80	4.1	5.0	6.5	2.6	3.1	4.0
Cloudy	25	10	50	DIRT_ROAD	-20	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Cloudy	25	10	50	DIRT_ROAD	-15	1.40	1.65	2.10	5.0	5.9	7.6	3.1	3.7	4.7
Cloudy	25	10	50	DIRT_ROAD	-10	1.50	1.75	2.20	5.4	6.3	7.9	3.4	3.9	4.9
Cloudy	25	10	50	DIRT_ROAD	-5	1.60	1.90	2.30	5.8	6.8	8.3	3.6	4.3	5.2
Cloudy	25	10	50	DIRT_ROAD	0	1.75	2.00	2.40	6.3	7.2	8.6	3.9	4.5	5.4
Cloudy	25	10	50	DIRT_ROAD	5	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Cloudy	25	10	50	DIRT_ROAD	10	0.90	1.15	1.50	3.2	4.1	5.4	2.0	2.6	3.4
Cloudy	2 5	10	50	DIRT_ROAD	15	0.70	0.90	1.20	2.5	3.2	4.3	1.6	2.0	2.7
Cloudy	25	10	50	DIRT_ROAD	20	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Cloudy	25	10	50	DIRT_ROAD	30	0.40	0.50	0.75	1.4	1.8	2.7	0.9	1.1	1.7
Cloudy	25	10	50	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	25	10	50	DIRT_ROAD	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Cloudy	25	10	50	LOOSE_SAND	-50	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Cloudy	25	10	50	LOOSE_SAND	-40	0.60	0.75	1.05	2.2	2.7	3.8	1.3	1.7	2.4
Cloudy	25	10	50	LOOSE_SAND	-30	0.75	0.90	1.15	2.7	3.2	4.1	1.7	2.0	2.6
Cloudy	25	10	50	LOOSE_SAND	-20	0.85	1.05	1.35	3.1	3.8	4.9	1.9	2.4	3.0
Cloudy	25	10	50	LOOSE_SAND	-15	0.95	1.15	1.40	3.4	4.1	5.0	2.1	2.6	3.1
Cloudy	25	10	50	LOOSE_SAND	-10	1.05	1.20	1.50	3.8	4.3	5.4	2.4	2.7	3.4
Cloudy	25	10	50	LOOSE_SAND	-5	1.15	1.30	1.60	4.1	4.7	5.8	2.6	2.9	3.6
Cloudy	25	10	50	LOOSE_SAND	0	1.25	1.45	1.75	4.5	5.2	6.3	2.8	3.2	3.9
Cloudy	25	10	50	LOOSE_SAND	5	0.80	0.95	1.25	2.9	3.4	4.5	1.8	2.1	2.8
Cloudy	25	10	50	LOOSE_SAND	10	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Cloudy	25	10	50	LOOSE_SAND	15	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Cloudy	25	10	50	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	25	10	50	LOOSE_SAND	30	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Cloudy	25	10	50	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Cloudy	25	10	50	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table E-10. Maximum Sustainable Speed, Cloudy, 25% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec		Max Su (kilo	stainabl meters/l			stainabl niles/hou	
						F	lisk Leve	əl	F	ilsk Lev	əl	F	lisk Lev	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	25	15	59	BLACK_TOP	-50	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Cloudy	25	15	59	BLACK_TOP	-4 0	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Cloudy	25	15	59	BLACK_TOP	-30	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Cloudy	25	15	59	BLACK_TOP	-20	1.30	1.60	1.95	4.7	5.8	7.0	2.9	3.6	4.4
Cloudy	25	15	59	BLACK_TOP	-15	1.40	1.65	2.05	5.0	5.9	7.4	3.1	3.7	4.6
Cloudy	25	15	59	BLACK_TOP	-10	1.50	1.75	2.15	5.4	6.3	7.7	3.4	3.9	4.8
Cloudy	25	15	59	BLACK_TOP	-5	1.60	1.90	2.25	5.8	6.8	8.1	3.6	4.3	5.0
Cloudy	25	15	59	BLACK_TOP	0	1.70	2.00	2.35	6.1	7.2	8.5	3.8	4.5	5.3
Cloudy	25	15	59	BLACK_TOP	5	1.25	1.50	1.85	4.5	5.4	6.7	2.8	3.4	4.1
Cloudy	25	15	59	BLACK_TOP	10	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Cloudy	25	15	59	BLACK_TOP	15	0.70	0.90	1.20	2.5	3.2	4.3	1.6	2.0	2.7
Cloudy	25	15	59	BLACK_TOP	20	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Cloudy	25	15	59	BLACK_TOP	30	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Cloudy	25	15	59	BLACK_TOP	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	25	15	59	BLACK_TOP	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Cloudy	25	15	59	DIRT_ROAD	-50	0.85	1.05	1.35	3.1	3.8	4.9	1.9	2.4	3.0
Cloudy	25	15	59	DIRT_ROAD	-40	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Cloudy	25	15	59	DIRT_ROAD	-30	1.10	1.30	1.65	4.0	4.7	5.9	2.5	2.9	3.7
Cloudy	25	15	59	DIRT_ROAD	-20	1.25	1.50	1.85	4.5	5.4	6.7	2.8	3.4	4.1
Cloudy	25	15	59	DIRT_ROAD	-15	1.30	1.60	1.95	4.7	5.8	7.0	2.9	3.6	4.4
Cloudy	25	15	59	DIRT_ROAD	-10	1.40	1.70	2.05	5.0	6.1	7.4	3.1	3.8	4.6
Cloudy	25	15	59	DIRT_ROAD	-5	1.55	1.80	2.15	5.6	6.5	7.7	3.5	4.0	4.8
Cloudy	25	15	59	DIRT_ROAD	Ö	1.65	1.90	2.25	5.9	6.8	8.1	3.7	4.3	5.0
Cloudy	25	15	59	DIRT_ROAD	5	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Cloudy	25	15	59	DIRT_ROAD	10	0.85	1.05	1.35	3.1	3.8	4.9	1.9	2.4	3.0
Cloudy	25	15	59	DIRT_ROAD	15	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Cloudy	25	15	59	DIRT_ROAD	20	0.50	0.65	0.90	1.8	2.3	3.2	1.1	1.5	2.0
Cloudy	25	15	59	DIRT_ROAD	30	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Cloudy	25	15	59	DIRT_ROAD	40	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Cloudy	25	15	59	DIRT_ROAD	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Cloudy	25	15	59	LOOSE_SAND	-50	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Cloudy	25	15	59	LOOSE_SAND	-40	0.55	0.70	0.95	2.0	2.5	3.4	1.2	1.6	2.1
Cloudy	25	15	59	LOOSE_SAND	-30	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Cloudy	25	15	59	LOOSE_SAND	-20	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Cloudy	25 25	15	59	LOOSE_SAND	-15	0.90	1.05	1.30	3.2	3.8	4.3	2.0	2.4	2.7
Cloudy	25	15	59 59	LOOSE_SAND	-10	0.95	1.15	1.40	3.4	3.6 4.1	4.7 5.0	2.1	2.6	2.9 3.1
Cloudy	25	15	59	LOOSE_SAND	-5	1.05	1.15	1.50	3.8	4.1	5.4	l	2.8	
Cloudy	25 25	15	59 59	LOOSE_SAND	0	1.20	1.35	1.65	4.3	4.5 4.9	5.4 5.9	2.4 2.7	3.0	3.4 3.7
Cloudy	25 25	15	59 59	LOOSE_SAND	5	0.75	0.90	1.15	2.7	4.9 3.2		ı		
	25 25	15	59 59	LOOSE_SAND	10	0.75					4.1	1.7	2.0	2.6
Cloudy	25 25	15	59 59	LOOSE_SAND	15		0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Cloudy Cloudy	25 25	15	59	LOOSE_SAND	20	0.35 0.25	0.45	0.65 0.50	1.3	1.6	2.3	0.8	1.0	1.5
	25 25	15	59	LOOSE_SAND	30		0.35		0.9	1.3	1.8	0.6	0.8	1.1
Cloudy	25 25	15	59 59	LOOSE_SAND		0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Cloudy			59 59	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Cloudy	25	15	59	LOUSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table E-11. Maximum Sustainable Speed, Cloudy, 25% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec		Max Su (kilo	stainable meters/h			stainabl niles/hou	
						F	lisk Leve	el	F	lisk Leve	əl	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	25	20	68	BLACK_TOP	-50	0.80	1.05	1.35	2.9	3.8	4.9	1.8	2.4	3.0
Cloudy	25	20	68	BLACK_TOP	-40	0.95	1.20	1.45	3.4	4.3	5.2	2.1	2.7	3.2
Cloudy	25	20	68	BLACK_TOP	-30	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Cloudy	25	20	68	BLACK_TOP	-20	1.20	1.50	1.80	4.3	5.4	6.5	2.7	3.4	4.0
Cloudy	25	20	68	BLACK_TOP	-15	1.30	1.60	1.90	4.7	5.8	6.8	2.9	3.6	4.3
Cloudy	25	20	68	BLACK_TOP	-10	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Cloudy	25	20	68	BLACK_TOP	-5	1.50	1.80	2.10	5.4	6.5	7.6	3.4	4.0	4.7
Cloudy	25	20	68	BLACK_TOP	0	1.60	1.90	2.20	5.8	6.8	7.9	3.6	4.3	4.9
Cloudy	25	20	68	BLACK_TOP	5	1.15	1.40	1.70	4.1	5.0	6.1	2.6	3.1	3.8
Cloudy	25	20	68	BLACK_TOP	10	0.80	1.05	1.35	2.9	3.8	4.9	1.8	2.4	3.0
Cloudy	25	20	68	BLACK_TOP	15	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Cloudy	25	20	68	BLACK_TOP	20	0.50	0.65	0.90	1.8	2.3	3.2	1.1	1.5	2.0
Cloudy	25	20	68	BLACK_TOP	30	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Cloudy	25	20	68	BLACK_TOP	40	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
•		20	68	BLACK_TOP	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Cloudy	25			DIRT_ROAD	-50	0.20	1.00	1.25	2.7	3.6	4.5	1.7	2.2	2.8
Cloudy	25	20	68	DIRT_ROAD	-40	0.75	1.10	1.35	3.1	4.0	4.9	1.9	2.5	3.0
Cloudy	25	20	68	DIRT_ROAD		1.00	1.10	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Cloudy	25	20	68		-30	1		1.70	4.1	5.0	6.1	2.6	3.1	3.8
Cloudy	25	20	68	DIRT_ROAD	-20	1.15	1.40	1.80	4.5	5.4	6.5	2.8	3.4	4.0
Cloudy	25	20	68	DIRT_ROAD	-15	1.25	1.50				6.8	2.9	3.6	4.3
Cloudy	25	20	68	DIRT_ROAD	-10	1.30	1.60	1.90	4.7	5.8		1	3.8	4.5
Cloudy	25	20	68	DIRT_ROAD	-5	1.45	1.70	2.00	5.2	6.1	7.2	3.2	4.0	4.7
Cloudy	25	20	68	DIRT_ROAD	0	1.55	1.80	2.10	5.6	6.5	7.6	3.5		
Cloudy	25	20	68	DIRT_ROAD	5	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Cloudy	25	20	68	DIRT_ROAD	10	0.75	1.00	1.25	2.7	3.6	4.5	1.7	2.2	2.8
Cloudy	25	20	68	DIRT_ROAD	15	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Cloudy	25	20	68	DIRT_ROAD	20	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Cloudy	25	20	68	DIRT_ROAD	30	0.30	0.45	0.60	1.1	1.6	2.2	0.7	1.0	1.3
Cloudy	25	20	68	DIRT_ROAD	40	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Cloudy	25	20	68	DIRT_ROAD	50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Cloudy	25	20	68	LOOSE_SAND	-50	0.45	0.55	0.75	1.6	2.0	2.7	1.0	1.2	1.7
Cloudy	25	20	68	LOOSE_SAND	-40	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Cloudy	25	20	68	LOOSE_SAND	-30	0.60	0.75	0.95	2.2	2.7	3.4	1.3	1.7	2.1
Cloudy	25	20	68	LOOSE_SAND	-20	0.75	0.90	1.10	2.7	3.2	4.0	1.7	2.0	2.5
Cloudy	25	20	68	LOOSE_SAND	-15	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Cloudy	25	20	68	LOOSE_SAND	-10	0.90	1.10	1.30	3.2	4.0	4.7	2.0	2.5	2.9
Cloudy	25	20	68	LOOSE_SAND	-5	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Cloudy	25	20	68	LOOSE_SAND	0	1.10	1.30	1.50	4.0	4.7	5.4	2.5	2.9	3.4
Cloudy	25	20	68	LOOSE_SAND	5	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Cloudy	25	20	68	LOOSE_SAND	10	0.45	0.55	0.75	1.6	2.0	2.7	1.0	1.2	1.7
Cloudy	25	20	68	LOOSE_SAND	15	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	25	20	68	LOOSE_SAND	20	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Cloudy	25	20	68	LOOSE_SAND	30	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Cloudy	25	20	68	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Cloudy	25	20	68	LOOSE_SAND	50	0.10	0.10	0.20	0.4	0.4	0.7	0.2	0.2	0.4

Table E-12. Maximum Sustainable Speed, Cloudy, 25% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec		Max Su (kilo	stainabi meters/f			stainabl niles/hou	
						F	lisk Leve	əl	F	lisk Leve	el	F	Risk Lev	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	25	25	77	BLACK_TOP	-50	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Cloudy	25	25	77	BLACK_TOP	-40	0.85	1.10	1.30	3.1	4.0	4.7	1.9	2.5	2.9
Cloudy	25	25	77	BLACK_TOP	-30	0.95	1.20	1.45	3.4	4.3	5.2	2.1	2.7	3.2
Cloudy	25	25	77	BLACK_TOP	-20	1.10	1.40	1.65	4.0	5.0	5.9	2.5	3.1	3.7
Cloudy	25	25	77	BLACK_TOP	-15	1.20	1.50	1.70	4.3	5.4	6.1	2.7	3.4	3.8
Cloudy	25	25	77	BLACK_TOP	-10	1.30	1.55	1.80	4.7	5.6	6.5	2.9	3.5	4.0
Cloudy	25	25	77	BLACK_TOP	-5	1.40	1.70	1.95	5.0	6.1	7.0	3.1	3.8	4.4
Cloudy	25	25	77	BLACK_TOP	0	1.50	1.80	2.05	5.4	6.5	7.4	3.4	4.0	4.6
Cloudy	25	25	77	BLACK_TOP	5	1.05	1.30	1.55	3.8	4.7	5.6	2.4	2.9	3.5
Cloudy	25	25	77	BLACK_TOP	10	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Cloudy	25	25	77	BLACK_TOP	15	0.55	0.75	0.95	2.0	2.7	3.4	1.2	1.7	2.1
Cloudy	25	25	77	BLACK_TOP	20	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Cloudy	25	25	77	BLACK_TOP	30	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	25	25	77	BLACK_TOP	40	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Cloudy	25	25	77	BLACK_TOP	50	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Cloudy	25	25	77	DIRT_ROAD	-50	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Cloudy	25	25	77	DIRT_ROAD	-40	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Cloudy	25	25	77	DIRT_ROAD	-30	0.90	1.15	1.35	3.2	4.1	4.9	2.0	2.6	3.0
Cloudy	25	25	77	DIRT_ROAD	-20	1.05	1.30	1.55	3.8	4.7	5.6	2.4	2.9	3.5
Cloudy	25	25	77	DIRT_ROAD	-15	1.15	1.40	1.65	4.1	5.0	5.9	2.6	3.1	3.7
Cloudy	25	25	77	DIRT_ROAD	-10	1.20	1.50	1.75	4.3	5.4	6.3	2.7	3.4	3.9
Cloudy	25	25	77	DIRT_ROAD	-5	1.30	1.60	1.85	4.7	5.8	6.7	2.9	3.6	4.1
Cloudy	25	25	77	DIRT_ROAD	0	1.45	1.70	1.95	5.2	6.1	7.0	3.2	3.8	4.4
Cloudy	25	25	77	DIRT_ROAD	5	0.95	1.20	1.45	3.4	4.3	5.2	2.1	2.7	3.2
Cloudy	25	25	77	DIRT_ROAD	10	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Cloudy	25	25	77	DIRT_ROAD	15	0.50	0.70	0.85	1.8	2.5	3.1	1.1	1.6	1.9
Cloudy	25	25	77	DIRT_ROAD	20	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Cloudy	25	25	77	DIRT_ROAD	30	0.25	0.40	0.50	0.9	1.4	1.8	0.6	0.9	1.1
Cloudy	25	25	77	DIRT_ROAD	40	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Cloudy	25	25	77	DIRT_ROAD	50	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Cloudy	25	25	77	LOOSE_SAND	-50	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Cloudy	25	25	77	LOOSE_SAND	-40	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Cloudy	25	25	77	LOOSE_SAND	-30	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Cloudy	2 5	25	77	LOOSE_SAND	-20	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
Cloudy	25	25	77	LOOSE_SAND	-15	0.75	0.95	1.10	2.7	3.4	4.0	1.7	2.1	2.5
Cloudy	2 5	25	77	LOOSE_SAND	-10	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Cloudy	25	25	77	LOOSE_SAND	-5	0.90	1.10	1.30	3.2	4.0	4.7	2.0	2.5	2.9
Cloudy	25	25	77	LOOSE_SAND	0	1.05	1.25	1.40	3.8	4.5	5.0	2.4	2.8	3.1
Cloudy	25	25	77	LOOSE_SAND	5	0.60	0.80	0.95	2.2	2.9	3.4	1.3	1.8	2.1
Cloudy	25	25	77	LOOSE_SAND	10	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Cloudy	25	25	77	LOOSE_SAND	15	0.25	0.40	0.50	0.9	1.4	1.8	0.6	0.9	1.1
Cloudy	25	25	77	LOOSE_SAND	20	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Cloudy	25	25	77	LOOSE_SAND	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Cloudy	25	25	77	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Cloudy	25	25	77	LOOSE_SAND	50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3

Table E-13. Maximum Sustainable Speed, Cloudy, 25% Humidity, 30°C (86°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec			stainable meters/h		Max Su (n	stainabl niles/hou	
	. ,					F	lisk Lev	əl	F	Risk Leve	el le	F	lisk Leve	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	25	30	86	BLACK_TOP	-50	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
Cloudy	25	30	86	BLACK_TOP	-40	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Cloudy	25	30	86	BLACK_TOP	-30	0.85	1.10	1.30	3.1	4.0	4.7	1.9	2.5	2.9
Cloudy	25	30	86	BLACK_TOP	-20	1.00	1.25	1.45	3.6	4.5	5.2	2.2	2.8	3.2
Cloudy	25	30	86	BLACK_TOP	-15	1.10	1.35	1.55	4.0	4.9	5.6	2.5	3.0	3.5
Cloudy	25	30	86	BLACK_TOP	-10	1.20	1.45	1.65	4.3	5.2	5.9	2.7	3.2	3.7
Cloudy	25	30	86	BLACK_TOP	-5	1.30	1.55	1.75	4.7	5.6	6.3	2.9	3.5	3.9
Cloudy	25	30	86	BLACK_TOP	0	1.40	1.65	1.85	5.0	5.9	6.7	3.1	3.7	4.1
Cloudy	25	30	86	BLACK_TOP	5	0.95	1.20	1.35	3.4	4.3	4.9	2.1	2.7	3.0
Cloudy	25	30	86	BLACK_TOP	10	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
Cloudy	25	30	86	BLACK_TOP	15	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Cloudy	25	30	86	BLACK_TOP	20	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Cloudy	25	30	86	BLACK_TOP	30	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Cloudy	25	30	86	BLACK_TOP	40	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Cloudy	25	30	86	BLACK_TOP	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
•	25	30	86	DIRT_ROAD	-50	0.60	0.80	0.95	2.2	2.9	3.4	1.3	1.8	2.1
Cloudy	25 25	30	86	DIRT_ROAD	-40	0.70	0.90	1.05	2.5	3.2	3.8	1.6	2.0	2.4
Cloudy			86	DIRT_ROAD	-30	0.80	1.05	1.20	2.9	3.8	4.3	1.8	2.4	2.7
Cloudy	25	30		DIRT_ROAD	-20	0.95	1.20	1.35	3.4	4.3	4.9	2.1	2.7	3.0
Cloudy	25	30	86		-20 -15	1.00	1.30	1.45	3.6	4.7	5.2	2.2	2.9	3.2
Cloudy	25	30	86	DIRT_ROAD				1.55	4.0	4.9	5.6	2.5	3.0	3.5
Cloudy	25	30	86	DIRT_ROAD	-10	1.10	1.35		4.3	5.4	5.9	2.7	3.4	3.7
Cloudy	25	30	86	DIRT_ROAD	-5	1.20	1.50	1.65	I	5.8	6.3	3.0	3.6	3.9
Cloudy	25	30	86	DIRT_ROAD	0	1.35	1.60	1.75	4.9			1.9	2.5	2.8
Cloudy	25	30	86	DIRT_ROAD	5	0.85	1.10	1.25	3.1	4.0	4.5	1.3	2.5 1.8	2.0
Cloudy	25	30	86	DIRT_ROAD	10	0.60	0.80	0.95	2.2	2.9	3.4	1	1.3	1.7
Cloudy	25	30	86	DIRT_ROAD	15	0.45	0.60	0.75	1.6	2.2	2.7	1.0		1.7
Cloudy	25	30	86	DIRT_ROAD	20	0.35	0.50	0.60	1.3	1.8	2.2	0.8	1.1	
Cloudy	25	30	86	DIRT_ROAD	30	0.25	0.35	0.40	0.9	1.3	1.4	0.6	8.0	0.9
Cloudy	25	30	86	DIRT_ROAD	40	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Cloudy	25	30	86	DIRT_ROAD	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Cloudy	25	30	86	LOOSE_SAND	-50	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Cloudy	25	30	86	LOOSE_SAND	-40	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Cloudy	25	30	86	LOOSE_SAND	-30	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
Cloudy	25	30	86	LOOSE_SAND	-20	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Cloudy	25	30	86	LOOSE_SAND	-15	0.65	0.85	0.95	2.3	3.1	3.4	1.5	1.9	2.1
Cloudy	25	30	86	LOOSE_SAND	-10	0.75	0.95	1.05	2.7	3.4	3.8	1.7	2.1	2.4
Cloudy	25	30	86	LOOSE_SAND	-5	0.85	1.05	1.15	3.1	3.8	4.1	1.9	2.4	2.6
Cloudy	25	30	86	LOOSE_SAND	0	0.95	1.15	1.25	3.4	4.1	4.5	2.1	2.6	2.8
Cloudy	25	30	86	LOOSE_SAND	5	0.55	0.70	0.80	2.0	2.5	2.9	1.2	1.6	1.8
Cloudy	2 5	30	86	LOOSE_SAND	10	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Cloudy	25	30	86	LOOSE_SAND	15	0.25	0.35	0.40	0.9	1.3	1.4	0.6	8.0	0.9
Cloudy	25	30	86	LOOSE_SAND	20	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Cloudy	25	30	86	LOOSE_SAND	30	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Cloudy	25	30	86	LOOSE_SAND	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Cloudy	25	30	86	LOOSE_SAND	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2

Table E-14. Maximum Sustainable Speed, Cloudy, 25% Humidity, 35°C (91°F)

	Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec		Max Su (kilo	stainable meters/h			stainable	
							-	Risk Leve	əl	F	Risk Leve	əl	F	Risk Leve	əl
							Low	Mod	High	Low	Mod	High	Low	Mod	High
Г	Cloudy	25	35	95	BLACK_TOP	-50	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
	Cloudy	25	35	95	BLACK_TOP	-4 0	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
	Cloudy	25	35	95	BLACK_TOP	-30	0.75	0.90	1.05	2.7	3.2	3.8	1.7	2.0	2.4
ı	Cloudy	25	35	9 5	BLACK_TOP	-20	0.90	1.05	1.25	3.2	3.8	4.5	2.0	2.4	2.8
	Cloudy	25	35	95	BLACK_TOP	-15	0.95	1.15	1.30	3.4	4.1	4.7	2.1	2.6	2.9
	Cloudy	25	35	95	BLACK_TOP	-10	1.05	1.25	1.40	3.8	4.5	5.0	2.4	2.8	3.1
	Cloudy	25	35	9 5	BLACK_TOP	-5	1.15	1.35	1.50	4.1	4.9	5.4	2.6	3.0	3.4
	Cloudy	25	35	95	BLACK_TOP	0	1.25	1.45	1.65	4.5	5.2	5.9	2.8	3.2	3.7
	Cloudy	25	35	9 5	BLACK_TOP	5	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
	Cloudy	25	35	95	BLACK_TOP	10	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
	Cloudy	25	35	95	BLACK_TOP	15	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
	Cloudy	25	35	95	BLACK_TOP	20	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
	Cloudy	25	35	95	BLACK_TOP	30	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
	Cloudy	25	35	95	BLACK_TOP	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
	Cloudy	25	35	95	BLACK_TOP	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
	Cloudy	25	35	95	DIRT_ROAD	-50	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
	Cloudy	25	3 5	95	DIRT_ROAD	-40	0.60	0.75	0.85	2.2	2.7	3.1	1.3	1.7	1.9
	Cloudy	25	35	95	DIRT_ROAD	-30	0.70	0.85	1.00	2.5	3.1	3.6	1.6	1.9	2.2
	Cloudy	25	35	95	DIRT_ROAD	-20	0.85	1.00	1.15	3.1	3.6	4.1	1.9	2.2	2.6
	Cloudy	25	35	95	DIRT_ROAD	-15	0.90	1.10	1.25	3.2	4.0	4.5	2.0	2.5	2.8
	Cloudy	25	35	95	DIRT_ROAD	-10	1.00	1.20	1.35	3.6	4.3	4.9	2.2	2.7	3.0
	Cloudy	25	35	95	DIRT_ROAD	-5	1.10	1.30	1.45	4.0	4.7	5.2	2.5	2.9	3.2
	Cloudy	25	35	95	DIRT_ROAD	0	1.20	1.40	1.55	4.3	5.0	5.6	2.7	3.1	3.5
	Cloudy	25	35	95	DIRT_ROAD	5	0.75	0.90	1.05	2.7	3.2	3.8	1.7	2.0	2.4
	Cloudy	25	35	95	DIRT_ROAD	10	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
	Cloudy	25	35	95	DIRT_ROAD	15	0.35	0.50	0.60	1.3	1.8	2.2	0.8	1.1	1.3
	Cloudy	25	35	95	DIRT_ROAD	20	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
	Cloudy	25	35	95	DIRT_ROAD	30	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
	Cloudy	25	35	95	DIRT_ROAD	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
	Cloudy	25	35	95	DIRT_ROAD	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
	Cloudy	25	35	95	LOOSE_SAND	-50	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
	Cloudy	25	35	95	LOOSE_SAND	-40	0.35	0.45	0.50	1.3	1.6	1.8	0.8	1.0	1.1
	Cloudy	25	35	95	LOOSE_SAND	-30	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
	Cloudy	25	35	95	LOOSE_SAND	-20	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
	Cloudy	25	35	95	LOOSE_SAND	-15	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
	Cloudy	25	35	95	LOOSE_SAND	-10	0.65	0.80	0.90	2.3	2.9	3.2	1.5	1.8	2.0
	Cloudy	25	35	95	LOOSE_SAND	-5	0.75	0.90	1.00	2.7	3.2	3.6	1.7	2.0	2.2
	Cloudy	25	35	95	LOOSE_SAND	0	0.85	1.00	1.10	3.1	3.6	4.0	1.9	2.2	2.5
	Cloudy	25	35	95	LOOSE_SAND	5	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
	Cloudy	25	35	95	LOOSE_SAND	10	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
	Cloudy	25	35	95	LOOSE_SAND	15	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
	Cloudy	25	35	95	LOOSE_SAND	20	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
	Cloudy	25	35	95	LOOSE_SAND	30	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
	Cloudy	25	35	95	LOOSE_SAND	40	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
	Cloudy	25	35	95	LOOSE_SAND	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2

Table E-15. Maximum Sustainable Speed, Cloudy, 50% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	e Speed ond)		stainable meters/l			stainabl	
						F	Risk Lev	el	F	lisk Lev	əl	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	50	5	41	BLACK_TOP	-50	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Cloudy	50	5	41	BLACK_TOP	-40	1.15	1.45	1.75	4.1	5.2	6.3	2.6	3.2	3.9
Cloudy	50	5	41	BLACK_TOP	-30	1.30	1.60	1.90	4.7	5.8	6.8	2.9	3.6	4.3
Cloudy	50	5	41	BLACK_TOP	-20	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Cloudy	50	5	41	BLACK_TOP	-15	1.55	1.85	2.20	5.6	6.7	7.9	3.5	4.1	4.9
Cloudy	50	5	41	BLACK_TOP	-10	1.65	1.95	2.30	5.9	7.0	8.3	3.7	4.4	5.2
Cloudy	50	5	41	BLACK_TOP	-5	1.80	2.05	2.40	6.5	7.4	8.6	4.0	4.6	5.4
Cloudy	50	5	41	BLACK_TOP	0	1.90	2.15	2.50	6.8	7.7	9.0	4.3	4.8	5.6
Cloudy	50	5	41	BLACK_TOP	5	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Cloudy	50	5	41	BLACK_TOP	10	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Cloudy	50	5	41	BLACK_TOP	15	0.80	1.05	1.30	2.9	3.8	4.7	1.8	2.4	2.9
Cloudy	50	5	41	BLACK_TOP	20	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Cloudy	50	5	41	BLACK_TOP	30	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Cloudy	50	5	41	BLACK_TOP	40	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
•	50	5	41	BLACK_TOP	50	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Cloudy Cloudy	50	5	41	DIRT_ROAD	-50	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
•	50	5	41	DIRT_ROAD	-40	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Cloudy	50	5	41	DIRT_ROAD	-30	1.25	1.50	1.80	4.5	5.4	6.5	2.8	3.4	4.0
Cloudy Cloudy	50	5	41	DIRT_ROAD	-20	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
	50	5	41	DIRT_ROAD	-15	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Cloudy	50	5	41	DIRT_ROAD	-10	1.60	1.85	2.20	5.8	6.7	7.9	3.6	4.1	4.9
Cloudy	50	5	41	DIRT_ROAD	-10 -5	1.70	1.95	2.30	6.1	7.0	8.3	3.8	4.4	5.2
Cloudy	50	5	41	DIRT_ROAD	0	1.80	2.05	2.40	6.5	7.4	8.6	4.0	4.6	5.4
Cloudy			41	DIRT_ROAD	5		1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Cloudy	50	5				1.30							2.7	3.4
Cloudy	50	5	41	DIRT_ROAD	10	0.95	1.20	1.50	3.4	4.3	5.4	2.1		
Cloudy	50	5	41	DIRT_ROAD	15	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Cloudy	50	5	41	DIRT_ROAD	20	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Cloudy	50	5	41	DIRT_ROAD	30	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Cloudy	50	5	41	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	50	5	41	DIRT_ROAD	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Cloudy	50	5	41	LOOSE_SAND	-50	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Cloudy	50	5	41	LOOSE_SAND	-40	0.65	0.80	1.05	2.3	2.9	3.8	1.5	1.8	2.4
Cloudy	50	5	41	LOOSE_SAND	-30	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Cloudy	50	5	41	LOOSE_SAND	-20	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
Cloudy	50	5	41	LOOSE_SAND	-15	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Cloudy	50	5	41	LOOSE_SAND	-10	1.10	1.30	1.50	4.0	4.7	5.4	2.5	2.9	3.4
Cloudy	50	5	41	LOOSE_SAND	-5	1.20	1.40	1.60	4.3	5.0	5.8	2.7	3.1	3.6
Cloudy	50	5	41	LOOSE_SAND	0	1.30	1.50	1.75	4.7	5.4	6.3	2.9	3.4	3.9
Cloudy	50	5	41	LOOSE_SAND	5	0.85	1.00	1.25	3.1	3.6	4.5	1.9	2.2	2.8
Cloudy	50	5	41	LOOSE_SAND	10	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Cloudy	50	5	41	LOOSE_SAND	15	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Cloudy	50	5	41	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	50	5	41	LOOSE_SAND	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Cloudy	50	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Cloudy	50	5	41	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table E-16. Maximum Sustainable Speed, Cloudy, 50% Humidity, 10°C (50°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco			stainable meters/f	e Speed nour)		stainabl niles/hou	
						F	lisk Leve	ı	F	lisk Leve	əl	F	lsk Lev	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	50	10	50	BLACK_TOP	-50	1.00	1.20	1.55	3.6	4.3	5.6	2.2	2.7	3.5
Cloudy	50	10	50	BLACK_TOP	-40	1.10	1.35	1.70	4.0	4.9	6.1	2.5	3.0	3.8
Cloudy	50	10	50	BLACK_TOP	-30	1.25	1.50	1.85	4.5	5.4	6.7	2.8	3.4	4.1
Cloudy	50	10	50	BLACK_TOP	-20	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Cloudy	50	10	50	BLACK_TOP	-15	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Cloudy	50	10	50	BLACK_TOP	-10	1.60	1.85	2.20	5.8	6.7	7.9	3.6	4.1	4.9
Cloudy	50	10	50	BLACK_TOP	-5	1.70	1.95	2.35	6.1	7.0	8.5	3.8	4.4	5.3
Cloudy	50	10	50	BLACK_TOP	0	1.80	2.10	2.45	6.5	7.6	8.8	4.0	4.7	5.5
Cloudy	50	10	50	BLACK_TOP	5	1.30	1.55	1.95	4.7	5.6	7.0	2.9	3.5	4.4
Cloudy	50	10	50	BLACK_TOP	10	1.00	1.20	1.55	3.6	4.3	5.6	2.2	2.7	3.5
Cloudy	50	10	50	BLACK_TOP	15	0.75	0.95	1.25	2.7	3.4	4.5	1.7	2.1	2.8
Cloudy	50	10	50	BLACK_TOP	20	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Cloudy	50	10	50	BLACK_TOP	30	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Cloudy	50	10	50	BLACK_TOP	40	0.30	0.45	0.60	1.1	1.6	2.2	0.7	1.0	1.3
Cloudy	50	10	50	BLACK_TOP	50	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Cloudy	50	10	50	DIRT_ROAD	-50	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Cloudy	50	10	50	DIRT_ROAD	-40	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Cloudy	50	10	50	DIRT_ROAD	-30	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Cloudy	50	10	50	DIRT_ROAD	-20	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Cloudy	50	10	50	DIRT_ROAD	-15	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Cloudy	50	10	50	DIRT_ROAD	-10	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Cloudy	50	10	50	DIRT_ROAD	-5	1.60	1.85	2.20	5.8	6.7	7.9	3.6	4.1	4.9
Cloudy	50	10	50	DIRT_ROAD	0	1.70	2.00	2.35	6.1	7.2	8.5	3.8	4.5	5.3
Cloudy	50	10	50	DIRT_ROAD	5	1.25	1.50	1.80	4.5	5.4	6.5	2.8	3.4	4.0
Cloudy	50	10	50	DIRT_ROAD	10	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Cloudy	50	10	50	DIRT_ROAD	15	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Cloudy	50	10	50	DIRT_ROAD	20	0.55	0.70	0.95	2.0	2.5	3.4	1.2	1.6	2.1
Cloudy	50	10	50	DIRT_ROAD	30	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Cloudy	50	10	50	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	50	10	50	DIRT_ROAD	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Cloudy	50	10	50	LOOSE_SAND	-50	0.55	0.65	0.90	2.0	2.3	3.2	1.2	1.5	2.0
Cloudy	50	10	50	LOOSE_SAND	-4 0	0.60	0.75	1.00	2.2	2.7	3.6	1.3	1.7	2.2
Cloudy	50	10	50	LOOSE_SAND	-30	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Cloudy	50	10	50	LOOSE_SAND	-20	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Cloudy	50	10	50	LOOSE_SAND	-15	0.95	1.10	1.35	3.4	4.0	4.9	2.1	2.5	3.0
Cloudy	50	10	50	LOOSE_SAND	-10	1.05	1.20	1.45	3.8	4.3	5.2	2.4	2.7	3.2
Cloudy	50	10	50	LOOSE_SAND	-5	1.15	1.30	1.55	4.1	4.7	5.6	2.6	2.9	3.5
Cloudy	50	10	50	LOOSE_SAND	O	1.25	1.40	1.70	4.5	5.0	6.1	2.8	3.1	3.8
Cloudy	50	10	50	LOOSE_SAND	5	0.80	0.95	1.20	2.9	3.4	4.3	1.8	2.1	2.7
Cloudy	50	10	50	LOOSE_SAND	10	0.55	0.65	0.90	2.0	2.3	3.2	1.2	1.5	2.0
Cloudy	50	10	50	LOOSE_SAND	15	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Cloudy	50	10	50	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	50	10	50	LOOSE_SAND	30	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Cloudy	50	10	50	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Cloudy	50	10	50	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table E-17. Maximum Sustainable Speed, Cloudy, 50% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	e Speed ond)		stainabl meters/l	e Speed nour)		stainabi niles/hou	
						F	lisk Lev	el	F	lisk Lev	əl	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	50	15	59	BLACK_TOP	-50	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Cloudy	50	15	59	BLACK_TOP	-40	1.00	1.25	1.55	3.6	4.5	5.6	2.2	2.8	3.5
Cloudy	50	15	59	BLACK_TOP	-30	1.15	1.40	1.70	4.1	5.0	6.1	2.6	3.1	3.8
Cloudy	50	15	59	BLACK_TOP	-20	1.30	1.55	1.85	4.7	5.6	6.7	2.9	3.5	4.1
Cloudy	50	15	59	BLACK_TOP	-15	1.40	1.65	1.95	5.0	5.9	7.0	3.1	3.7	4.4
Cloudy	50	15	59	BLACK_TOP	-10	1.50	1.75	2.05	5.4	6.3	7.4	3.4	3.9	4.6
Cloudy	50	15	59	BLACK_TOP	-5	1.60	1.85	2.15	5.8	6.7	7.7	3.6	4.1	4.8
Cloudy	50	15	59	BLACK_TOP	0	1.70	2.00	2.30	6.1	7.2	8.3	3.8	4.5	5.2
Cloudy	50	15	59	BLACK_TOP	5	1.20	1.50	1.75	4.3	5.4	6.3	2.7	3.4	3.9
Cloudy	50	15	59	BLACK_TOP	10	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Cloudy	50	15	59	BLACK_TOP	15	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Cloudy	50	15	59	BLACK_TOP	20	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Cloudy	50	15	59	BLACK_TOP	30	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Cloudy	50	15	59	BLACK_TOP	40	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Cloudy	50	15	59	BLACK_TOP	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Cloudy	50	15	59	DIRT_ROAD	-50	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Cloudy	50	15	59	DIRT_ROAD	-40	0.95	1.15	1.45	3.4	4.1	5.2	2.1	2.6	3.2
Cloudy	50	15	59	DIRT_ROAD	-30	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Cloudy	50	15	59	DIRT_ROAD	-20	1.20	1.45	1.75	4.3	5.2	6.3	2.7	3.2	3.9
Cloudy	50	15	59	DIRT_ROAD	-15	1.30	1.55	1.85	4.7	5.6	6.7	2.9	3.5	4.1
Cloudy	50	15	59	DIRT_ROAD	-10	1.40	1.65	1.95	5.0	5.9	7.0	3.1	3.7	4.4
Cloudy	50	15	59	DIRT_ROAD	-5	1.50	1.75	2.05	5.4	6.3	7.4	3.4	3.9	4.6
Cloudy	50	15	59	DIRT_ROAD	0	1.60	1.90	2.15	5.8	6.8	7.7	3.6	4.3	4.8
Cloudy	50	15	59	DIRT_ROAD	5	1.15	1.40	1.65	4.1	5.0	5.9	2.6	3.1	3.7
Cloudy	50	15	59	DIRT_ROAD	10	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Cloudy	50	15	59	DIRT_ROAD	15	0.65	0.80	1.05	2.3	2.9	3.8	1.5	1.8	2.4
Cloudy	50	15	59	DIRT_ROAD	20	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Cloudy	50	15	59	DIRT_ROAD	30	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Cloudy	50	15	59	DIRT_ROAD	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Cloudy	50	15	59	DIRT_ROAD	50	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Cloudy	50	15	59	LOOSE_SAND	-50	0.50	0.60	0.80	1.8	2.2	2.9	1.1	1.3	1.8
Cloudy	50	15	59	LOOSE_SAND	-40	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Cloudy	50	15	59	LOOSE_SAND	-30	0.65	0.80	1.00	2.3	2.9	3.6	1.5	1.8	2.2
Cloudy	50	15	59	LOOSE_SAND	-20	0.80	0.95	1.15	2.9	3.4	4.1	1.8	2.1	2.6
Cloudy	50	15	59	LOOSE_SAND	-15	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Cloudy	50	15	59	LOOSE_SAND	-10	0.95	1.15	1.35	3.4	4.1	4.9	2.1	2.6	3.0
Cloudy	50 50	15	59 59	LOOSE_SAND	-10 -5	1.05	1.25	1.45	3.8	4.5	5.2	2.4	2.8	3.2
-	50	15	59 59	LOOSE_SAND	0	1.15	1.35	1.55	4.1	4.9	5.6	2.6	3.0	3.5
Cloudy	50	15	59	LOOSE_SAND	5	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Cloudy	50	15	59	LOOSE_SAND	10	0.50	0.60	0.80	1.8	2.2	2.9	1.1	1.3	1.8
Cloudy		15	59 59	LOOSE_SAND	15	0.35	0.60	0.60	1.3	1.6	2.9	0.8	1.0	1.3
Cloudy	50 50	15	59 59	LOOSE_SAND	20	0.35	0.45	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Cloudy	50		59	LOOSE_SAND	30	0.25	0.35	0.45	0.5	0.9	1.1	0.3	0.6	0.7
Cloudy	50	15		LOOSE_SAND	- 1	0.15	0.25	0.30	0.5	0.5	0.9	0.3	0.8	0.7
Cloudy	50	15	59		40									
Cloudy	50	15	59	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table E-18. Maximum Sustainable Speed, Cloudy, 50% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/l		Max Su (n	stainabl	
	` '					F	lisk Leve	əl	F	lisk Leve	el	F	Risk Lev	el
				:		Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	50	20	68	BLACK_TOP	-50	0.80	1.05	1.20	2.9	3.8	4.3	1.8	2.4	2.7
Cloudy	50	20	68	BLACK_TOP	-4 0	0.90	1.15	1.35	3.2	4.1	4.9	2.0	2.6	3.0
Cloudy	50	20	68	BLACK_TOP	-30	1.05	1.30	1.50	3.8	4.7	5.4	2.4	2.9	3.4
Cloudy	50	20	68	BLACK_TOP	-20	1.20	1.45	1.65	4.3	5.2	5.9	2.7	3.2	3.7
Cloudy	50	20	68	BLACK_TOP	-15	1.30	1.55	1.75	4.7	5.6	6.3	2.9	3.5	3.9
Cloudy	50	20	68	BLACK_TOP	-10	1.40	1.65	1.85	5.0	5.9	6.7	3.1	3.7	4.1
Cloudy	50	20	68	BLACK_TOP	-5	1.50	1.75	1.95	5.4	6.3	7.0	3.4	3.9	4.4
Cloudy	50	20	68	BLACK_TOP	0	1.60	1.85	2.10	5.8	6.7	7.6	3.6	4.1	4.7
Cloudy	50	20	68	BLACK_TOP	5	1.10	1.35	1.60	4.0	4.9	5.8	2.5	3.0	3.6
Cloudy	50	20	68	BLACK_TOP	10	0.80	1.05	1.20	2.9	3.8	4.3	1.8	2.4	2.7
Cloudy	50	20	68	BLACK_TOP	15	0.60	0.80	0.95	2.2	2.9	3.4	1.3	1.8	2.1
Cloudy	50	20	68	BLACK_TOP	20	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Cloudy	50	20	68	BLACK_TOP	30	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Cloudy	50	20	68	BLACK_TOP	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Cloudy	50	20	68	BLACK_TOP	50	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	8.0
Cloudy	50	20	68	DIRT_ROAD	-50	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Cloudy	50	20	68	DIRT_ROAD	-40	0.85	1.10	1.25	3.1	4.0	4.5	1.9	2.5	2.8
Cloudy	50	20	68	DIRT_ROAD	-30	0.95	1.20	1.40	3.4	4.3	5.0	2.1	2.7	3.1
Cloudy	50	20	68	DIRT_ROAD	-20	1.10	1.35	1.55	4.0	4.9	5.6	2.5	3.0	3.5
Cloudy	50	20	68	DIRT_ROAD	-15	1.20	1.45	1.65	4.3	5.2	5.9	2.7	3.2	3.7
Cloudy	50	20	68	DIRT_ROAD	-10	1.30	1.55	1.75	4.7	5.6	6.3	2.9	3.5	3.9
Cloudy	50	20	68	DIRT_ROAD	-5	1.40	1.65	1.85	5.0	5.9	6.7	3.1	3.7	4.1
Cloudy	50	20	68	DIRT_ROAD	0	1.50	1.80	2.00	5.4	6.5	7.2	3.4	4.0	4.5
	50	20	68	DIRT_ROAD	5	1.05	1.30	1.50	3.8	4.7	5.4	2.4	2.9	3.4
Cloudy	50	20	68	DIRT_ROAD	10	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Cloudy	50	20	68	DIRT_ROAD	15	0.75	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Cloudy	50	20	68	DIRT_ROAD	20	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Cloudy		20	68	DIRT_ROAD	30	0.30	0.40	0.70	1.1	1.4	1.8	0.7	0.9	1.1
Cloudy	50 50	20	68	DIRT_ROAD	40	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Cloudy		20	68	DIRT_ROAD	50	0.20	0.30	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Cloudy	50 50	20	68	LOOSE SAND	-50	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Cloudy	50	20	68	LOOSE_SAND	-4 0	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
Cloudy			68	LOOSE_SAND	-30	0.60	0.75	0.75	2.2	2.7	3.2	1.3	1.7	2.0
Cloudy	50	20		LOOSE_SAND	-20	0.70	0.90	1.05	2.5	3.2	3.8	1.6	2.0	2.4
Cloudy	50	20 20	68 68	LOOSE_SAND	-20 -15	0.80	1.00	1.10	2.9	3.6	4.0	1.8	2.2	2.5
Cloudy	50			LOOSE_SAND					3.2	3.8	4.3	2.0	2.4	2.7
Cloudy	50	20	68	LOOSE_SAND	-10 -5	1.00	1.05 1.15	1.20 1.30	3.6	4.1	4.7	2.2	2.6	2.9
Cloudy	50	20	68	LOOSE_SAND		1.10	1.30	1.45	4.0	4.1	5.2	2.5	2.9	3.2
Cloudy	50	20	68	LOOSE_SAND	0	1		0.95	2.3	2.9	3.4	1.5	1.8	2.1
Cloudy	50	20	68		5	0.65	0.80			2.9	2.3	0.9	1.8	1.5
Cloudy	50	20	68	LOOSE_SAND	10	0.40	0.55	0.65	1.4	1.4	1.8	0.9	0.9	1.1
Cloudy	50	20	68	LOOSE_SAND	15	0.30	0.40	0.50	1.1			1	0.9	0.9
Cloudy	50	20	68	LOOSE_SAND	20	0.25	0.30	0.40	0.9	1.1	1.4	0.6		0.9
Cloudy	50	20	68	LOOSE_SAND	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	
Cloudy	50	20	68	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Cloudy	50	20	68	LOOSE_SAND	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3

Table E-19. Maximum Sustainable Speed, Cloudy, 50% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl			stainable meters/h			stainabl niles/hou	
				••		1	lisk Lev	el	F	Risk Leve	el	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	50	25	77	BLACK_TOP	-50	0.70	0.90	1.05	2.5	3.2	3.8	1.6	2.0	2.4
Cloudy	50	25	77	BLACK_TOP	-40	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Cloudy	50	25	77	BLACK_TOP	-30	0.95	1.15	1.30	3.4	4.1	4.7	2.1	2.6	2.9
Cloudy	50	25	77	BLACK_TOP	-20	1.10	1.30	1.45	4.0	4.7	5.2	2.5	2.9	3.2
Cloudy	50	25	77	BLACK_TOP	-15	1.15	1.40	1.55	4.1	5.0	5.6	2.6	3.1	3.5
Cloudy	50	25	77	BLACK_TOP	-10	1.25	1.50	1.65	4.5	5.4	5.9	2.8	3.4	3.7
Cloudy	50	25	77	BLACK_TOP	-5	1.35	1.60	1.75	4.9	5.8	6.3	3.0	3.6	3.9
Cloudy	50	25	77	BLACK_TOP	0	1.50	1.70	1.85	5.4	6.1	6.7	3.4	3.8	4.1
Cloudy	50	25	77	BLACK_TOP	5	1.00	1.20	1.35	3.6	4.3	4.9	2.2	2.7	3.0
Cloudy	50	25	77	BLACK_TOP	10	0.70	0.90	1.05	2.5	3.2	3.8	1.6	2.0	2.4
Cloudy	50	25	77	BLACK_TOP	15	0.55	0.70	0.80	2.0	2.5	2.9	1.2	1.6	1.8
Cloudy	50	25	77	BLACK_TOP	20	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Cloudy	50	25	77	BLACK_TOP	30	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
Cloudy	50	25	77	BLACK_TOP	40	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Cloudy	50	25	77	BLACK_TOP	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Cloudy	50	25	77	DIRT_ROAD	-50	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
Cloudy	50	25	77	DIRT_ROAD	-40	0.75	0.95	1.05	2.7	3.4	3.8	1.7	2.1	2.4
Cloudy	50	25	77	DIRT_ROAD	-30	0.85	1.05	1.20	3.1	3.8	4.3	1.9	2.4	2.7
Cloudy	50	25	77	DIRT_ROAD	-20	1.00	1.20	1.35	3.6	4.3	4.9	2.2	2.7	3.0
Cloudy	50	25	77	DIRT_ROAD	-15	1.10	1.30	1.45	4.0	4.7	5.2	2.5	2.9	3.2
Cloudy	50	25	77	DIRT_ROAD	-10	1.20	1.40	1.55	4.3	5.0	5.6	2.7	3.1	3.5
Cloudy	50	25	77	DIRT_ROAD	-5	1.30	1.50	1.65	4.7	5.4	5.9	2.9	3.4	3.7
Cloudy	50	25	77	DIRT_ROAD	0	1.40	1.60	1.80	5.0	5.8	6.5	3.1	3.6	4.0
Cloudy	50	25	77	DIRT_ROAD	5	0.95	1.15	1.30	3.4	4.1	4.7	2.1	2.6	2.9
Cloudy	50	25	77	DIRT_ROAD	10	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
Cloudy	50	25	77	DIRT_ROAD	15	0.50	0.60	0.75	1.8	2.2	2.7	1.1	1.3	1.7
Cloudy	50	25	77	DIRT_ROAD	20	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Cloudy	50	25	77	DIRT_ROAD	30	0.25	0.35	0.40	0.9	1.3	1.4	0.6	8.0	0.9
Cloudy	50	25	77	DIRT_ROAD	40	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Cloudy	50	25	77	DIRT_ROAD	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Cloudy	50	25	77	LOOSE_SAND	-50	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Cloudy	50	25	77	LOOSE_SAND	-40	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Cloudy	50	25	77	LOOSE_SAND	-30	0.55	0.65	0.75	2.0	2.3	2.7	1.2	1.5	1.7
Cloudy	50	25	77	LOOSE_SAND	-20	0.65	0.80	0.90	2.3	2.9	3.2	1.5	1.8	2.0
Cloudy	50	25	77	LOOSE_SAND	-15	0.70	0.85	1.00	2.5	3.1	3.6	1.6	1.9	2.2
Cloudy	50	25	77	LOOSE_SAND	-10	0.80	0.95	1.05	2.9	3.4	3.8	1.8	2.1	2.4
Cloudy	50	25	77	LOOSE_SAND	-5	0.90	1.05	1.15	3.2	3.8	4.1	2.0	2.4	2.6
Cloudy	50	25	77	LOOSE_SAND	0	1.00	1.15	1.30	3.6	4.1	4.7	2.2	2.6	2.9
Cloudy	50	25	77	LOOSE_SAND	5	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Cloudy	50	25	77	LOOSE_SAND	10	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Cloudy	50	25	77	LOOSE_SAND	15	0.25	0.35	0.40	0.9	1.3	1.4	0.6	0.8	0.9
Cloudy	50	25	77	LOOSE_SAND	20	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Cloudy	50	25	77	LOOSE_SAND	30	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Cloudy	50	25	77	LOOSE_SAND	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Cloudy	50	25	77	LOOSE_SAND	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2

Table E-20. Maximum Sustainable Speed, Cloudy, 50% Humidity, 30°C (86°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	ters/sec	ond)		stainable meters/h			niles/hou	ır)
						F	lisk Leve	əl	F	lisk Leve	əl	F	Risk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	50	30	86	BLACK_TOP	-50	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Cloudy	50	30	86	BLACK_TOP	-40	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
Cloudy	50	30	86	BLACK_TOP	-30	0.80	0.90	1.05	2.9	3.2	3.8	1.8	2.0	2.4
Cloudy	50	30	86	BLACK_TOP	-20	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
Cloudy	50	30	86	BLACK_TOP	-15	1.00	1.15	1.30	3.6	4.1	4.7	2.2	2.6	2.9
Cloudy	50	30	86	BLACK_TOP	-10	1.10	1.25	1.40	4.0	4.5	5.0	2.5	2.8	3.1
Cloudy	50	30	86	BLACK_TOP	-5	1.20	1.35	1.50	4.3	4.9	5.4	2.7	3.0	3.4
Cloudy	50	30	86	BLACK_TOP	0	1.30	1.45	1.60	4.7	5.2	5.8	2.9	3.2	3.6
Cloudy	50	30	86	BLACK_TOP	5	0.85	1.00	1.10	3.1	3.6	4.0	1.9	2.2	2.5
Cloudy	50	30	86	BLACK_TOP	10	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Cloudy	50	30	86	BLACK_TOP	15	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Cloudy	50	30	86	BLACK_TOP	20	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Cloudy	50	30	86	BLACK_TOP	30	0.25	0.25	0.35	0.9	0.9	1.3	0.6	0.6	0.8
Cloudy	50	30	86	BLACK_TOP	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Cloudy	50	30	86	BLACK_TOP	50	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Cloudy	50	30	86	DIRT_ROAD	-50	0.55	0.65	0.75	2.0	2.3	2.7	1.2	1.5	1.7
Cloudy	50	30	86	DIRT_ROAD	-40	0.65	0.75	0.85	2.3	2.7	3.1	1.5	1.7	1.9
Cloudy	50	30	86	DIRT_ROAD	-30	0.75	0.85	0.95	2.7	3.1	3.4	1.7	1.9	2.1
Cloudy	50	30	86	DIRT_ROAD	-20	0.90	1.00	1.15	3.2	3.6	4.1	2.0	2.2	2.6
Cloudy	50	30	86	DIRT_ROAD	-15	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
Cloudy	50	30	86	DIRT_ROAD	-10	1.05	1.15	1.30	3.8	4.1	4.7	2.4	2.6	2.9
Cloudy	50	30	86	DIRT_ROAD	-5	1.15	1.25	1.40	4.1	4.5	5.0	2.6	2.8	3.1
Cloudy	50	30	86	DIRT_ROAD	0	1.25	1.40	1.50	4.5	5.0	5.4	2.8	3.1	3.4
Cloudy	50	30	86	DIRT_ROAD	5	0.80	0.90	1.05	2.9	3.2	3.8	1.8	2.0	2.4
Cloudy	50	30	86	DIRT_ROAD	10	0.55	0.65	0.75	2.0	2.3	2.7	1.2	1.5	1.7
Cloudy	50	30	86	DIRT_ROAD	15	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
Cloudy	50	30	86	DIRT_ROAD	20	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
Cloudy	50	30	86	DIRT_ROAD	30	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Cloudy	50	30	86	DIRT_ROAD	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Cloudy	50	30	86	DIRT_ROAD	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Cloudy	50	30	86	LOOSE_SAND	-50	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
Cloudy	50	30	86	LOOSE_SAND	-40	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
			86	LOOSE_SAND	-30	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Cloudy	50 50	30 30	86	LOOSE_SAND	-20	0.55	0.65	0.70	2.0	2.3	2.5	1.2	1.5	1.6
Cloudy	50	30	86	LOOSE_SAND	-15	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Cloudy	50	30	86	LOOSE_SAND	-10	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
Cloudy	50	30	86	LOOSE_SAND	-10 -5	0.80	0.90	1.00	2.9	3.2	3.6	1.8	2.0	2.2
-				LOOSE_SAND		0.90		1.10	3.2	3.6	4.0	2.0	2.2	2.5
Cloudy	50	30	86	LOOSE_SAND	0	0.50	1.00		1.8	2.0	2.3	1.1	1.2	1.5
Cloudy	50	30	86	LOOSE_SAND	5		0.55	0.65 0.45	1.1	1.3	1.6	0.7	0.8	1.0
Cloudy	50	30	86		10	0.30	0.35		ı					0.7
Cloudy	50	30	86	LOOSE_SAND	15	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	
Cloudy	50	30	86	LOOSE_SAND	20	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Cloudy	50	30	86	LOOSE_SAND	30	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Cloudy	50	30	86	LOOSE_SAND	40	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Cloudy	50	30	86	LOOSE_SAND	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2

Table E-21. Maximum Sustainable Speed, Cloudy, 50% Humidity, 35°C (95°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainabl meters/l	e Speed nour)		stainabi niles/hou	
						F	lisk Leve	əl	F	lisk Lev	el	F	Risk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	50	35	95	BLACK_TOP	-50	0.35	0.40	0.55	1.3	1.4	2.0	0.8	0.9	1.2
Cloudy	50	35	95	BLACK_TOP	-40	0.45	0.50	0.65	1.6	1.8	2.3	1.0	1.1	1.5
Cloudy	50	35	95	BLACK_TOP	-30	0.50	0.60	0.75	1.8	2.2	2.7	1.1	1.3	1.7
Cloudy	50	35	95	BLACK_TOP	-20	0.65	0.70	0.85	2.3	2.5	3.1	1.5	1.6	1.9
Cloudy	50	35	95	BLACK_TOP	-15	0.70	0.80	0.95	2.5	2.9	3.4	1.6	1.8	2.1
Cloudy	50	35	95	BLACK_TOP	-10	0.80	0.90	1.05	2.9	3.2	3.8	1.8	2.0	2.4
Cloudy	50	35	95	BLACK_TOP	-5	0.90	1.00	1.15	3.2	3.6	4.1	2.0	2.2	2.6
Cloudy	50	35	95	BLACK_TOP	0	1.00	1.10	1.25	3.6	4.0	4.5	2.2	2.5	2.8
Cloudy	50	35	95	BLACK_TOP	5	0.60	0.65	0.80	2.2	2.3	2.9	1.3	1.5	1.8
Cloudy	50	35	95	BLACK_TOP	10	0.35	0.40	0.55	1.3	1.4	2.0	0.8	0.9	1.2
Cloudy	50	35	95	BLACK_TOP	15	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Cloudy	50	35	95	BLACK_TOP	20	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Cloudy	50	35	95	BLACK_TOP	30	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Cloudy	50	35	95	BLACK_TOP	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
•	50	35	9 5	BLACK_TOP	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Cloudy	50	35	95	DIRT_ROAD	-50	0.05	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Cloudy			95	DIRT_ROAD	-40	0.33	0.45	0.60	1.4	1.6	2.2	0.9	1.0	1.3
Cloudy	50	35		_				0.70	1.8	2.0	2.5	1.1	1.2	1.6
Cloudy	50	35	95	DIRT_ROAD	-30	0.50	0.55		1	2.3	2.9	1.3	1.5	1.8
Cloudy	50	35	95	DIRT_ROAD	-20	0.60	0.65	0.80	2.2	2.7	3.2	1.5	1.7	2.0
Cloudy	50	35	95	DIRT_ROAD	-15	0.65	0.75	0.90	2.3			1.7	1.7	2.2
Cloudy	50	35	95	DIRT_ROAD	-10	0.75	0.85	1.00	2.7	3.1	3.6			
Cloudy	50	35	95	DIRT_ROAD	-5	0.85	0.95	1.10	3.1	3.4	4.0	1.9	2.1	2.5
Cloudy	50	35	95	DIRT_ROAD	0	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
Cloudy	50	35	9 5	DIRT_ROAD	5	0.55	0.60	0.75	2.0	2.2	2.7	1.2	1.3	1.7
Cloudy	50	35	95	DIRT_ROAD	10	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Cloudy	50	35	9 5	DIRT_ROAD	15	0.25	0.25	0.35	0.9	0.9	1.3	0.6	0.6	0.8
Cloudy	50	35	95	DIRT_ROAD	20	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Cloudy	50	35	95	DIRT_ROAD	30	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Cloudy	50	35	95	DIRT_ROAD	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Cloudy	50	35	95	DIRT_ROAD	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Cloudy	50	35	95	LOOSE_SAND	-50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Cloudy	50	35	95	LOOSE_SAND	-40	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Cloudy	50	35	95	LOOSE_SAND	-30	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Cloudy	50	35	95	LOOSE_SAND	-20	0.35	0.40	0.50	1.3	1.4	1.8	8.0	0.9	1.1
Cloudy	50	35	95	LOOSE_SAND	-15	0.40	0.45	0.60	1.4	1.6	2.2	0.9	1.0	1.3
Cloudy	50	3 5	95	LOOSE_SAND	-10	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Cloudy	50	3 5	95	LOOSE_SAND	-5	0.60	0.65	0.75	2.2	2.3	2.7	1.3	1.5	1.7
Cloudy	50	35	95	LOOSE_SAND	0	0.70	0.75	0.85	2.5	2.7	3.1	1.6	1.7	1.9
Cloudy	50	35	95	LOOSE_SAND	5	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
Cloudy	50	35	95	LOOSE_SAND	10	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Cloudy	50	35	95	LOOSE_SAND	15	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Cloudy	50	35	95	LOOSE_SAND	20	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Cloudy	50	35	95	LOOSE_SAND	30	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Cloudy	50	35	95	LOOSE_SAND	40	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1
Cloudy	50	35	95	LOOSE_SAND	50	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1

Table E-22. Maximum Sustainable Speed, Cloudy, 75% Humidity, 5°C (41°F)

	Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco	•		stainabl meters/l	e Speed hour)		stainabl	e Speed ur)
							F	lisk Leve	el	F	isk Lev	el	F	lisk Lev	ei
							Low	Mod	High	Low	Mod	High	Low	Mod	High
H	Cloudy	75	5	41	BLACK_TOP	-50	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
	Cloudy	75	5	41	BLACK_TOP	-40	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
l	Cloudy	75	5	41	BLACK_TOP	-30	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
ı	Cloudy	7 5	5	41	BLACK_TOP	-20	1.45	1.75	2.10	5.2	6.3	7.6	3.2	3.9	4.7
ı	Cloudy	75	5	41	BLACK_TOP	-15	1.55	1.85	2.20	5.6	6.7	7.9	3.5	4.1	4.9
	Cloudy	75	5	41	BLACK_TOP	-10	1.65	1.95	2.30	5.9	7.0	8.3	3.7	4.4	5.2
	Cloudy	75	5	41	BLACK_TOP	-5	1.75	2.05	2.40	6.3	7.4	8.6	3.9	4.6	5.4
	Cloudy	75	5	41	BLACK_TOP	0	1.90	2.15	2.50	6.8	7.7	9.0	4.3	4.8	5.6
	Cloudy	75	5	41	BLACK_TOP	5	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
	Cloudy	75	5	41	BLACK_TOP	10	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
	Cloudy	75	5	41	BLACK_TOP	15	0.80	1.05	1.30	2.9	3.8	4.7	1.8	2.4	2.9
	Cloudy	75	5	41	BLACK_TOP	20	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
ł	Cloudy	75	5	41	BLACK_TOP	30	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
	Cloudy	75	5	41	BLACK_TOP	40	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
	Cloudy	75	5	41	BLACK_TOP	50	0.30	0.35	0.50	1.1	1.3	1.8	0.7	8.0	1.1
l	Cloudy	75	5	41	DIRT_ROAD	-50	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
	Cloudy	75	5	41	DIRT_ROAD	-40	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
	Cloudy	75	5	41	DIRT_ROAD	-30	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
	Cloudy	75	5	41	DIRT_ROAD	-20	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
	Cloudy	75	5	41	DIRT_ROAD	-15	1.45	1.75	2.10	5.2	6.3	7.6	3.2	3.9	4.7
	Cloudy	75	5	41	DIRT_ROAD	-10	1.55	1.85	2.20	5.6	6.7	7.9	3.5	4.1	4.9
	Cloudy	75	5	41	DIRT_ROAD	-5	1.70	1.95	2.30	6.1	7.0	8.3	3.8	4.4	5.2
	Cloudy	75	5	41	DIRT_ROAD	0	1.80	2.05	2.40	6.5	7.4	8.6	4.0	4.6	5.4
	Cloudy	75	5	41	DIRT_ROAD	5	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
	Cloudy	75	5	41	DIRT_ROAD	10	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
	Cloudy	75	5	41	DIRT_ROAD	15	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
	Cloudy	75	5	41	DIRT_ROAD	20	0.60	0.75	1.00	2.2	2.7	3.6	1.3	1.7	2.2
	Cloudy	75	5	41	DIRT_ROAD	30	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
	Cloudy	75	5	41	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
	Cloudy	75	5	41	DIRT_ROAD	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
	Cloudy	75	5	41	LOOSE_SAND	-50	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
	Cloudy	75	5	41	LOOSE_SAND	-40	0.65	0.80	1.05	2.3	2.9	3.8	1.5	1.8	2.4
	Cloudy	75	5	41	LOOSE_SAND	-30	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
	Cloudy	75	5	41	LOOSE_SAND	-20	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
	Cloudy	75	5	41	LOOSE_SAND	-15	1.00	1.15	1.40	3.6	4.1	5.0	2.2	2.6	3.1
	Cloudy	75	5	41	LOOSE_SAND	-10	1.10	1.25	1.50	4.0	4.5	5.4	2.5	2.8	3.4
	Cloudy	75	5	41	LOOSE_SAND	-5	1.20	1.35	1.60	4.3	4.9	5.8	2.7	3.0	3.6
	Cloudy	75	5	41	LOOSE_SAND	0	1.30	1.50	1.75	4.7	5.4	6.3	2.9	3.4	3.9
	Cloudy	75	5	41	LOOSE_SAND	5	0.85	1.00	1.25	3.1	3.6	4.5	1.9	2.2	2.8
	Cloudy	75	5	41	LOOSE_SAND	10	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
	Cloudy	75	5	41	LOOSE_SAND	15	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
	Cloudy	75	5	41	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
	Cloudy	75	5	41	LOOSE_SAND	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
	Cloudy	75	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
	Cloudy	75	5	41	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table E-23. Maximum Sustainable Speed, Cloudy, 75% Humidity, 10°C (50°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec	•		stainabl meters/l			stainabl niles/hou	
	, ,					F	Risk Leve	el .	F	Risk Leve	əl	F	lisk Lev	ei
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	75	10	50	BLACK_TOP	-50	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Cloudy	75	10	50	BLACK_TOP	-40	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Cloudy	75	10	50	BLACK_TOP	-30	1.20	1.50	1.80	4.3	5.4	6.5	2.7	3.4	4.0
Cloudy	75	10	50	BLACK_TOP	-20	1.40	1.65	1.95	5.0	5.9	7.0	3.1	3.7	4.4
Cloudy	75	10	50	BLACK_TOP	-15	1.45	1.75	2.05	5.2	6.3	7.4	3.2	3.9	4.6
Cloudy	75	10	50	BLACK_TOP	-10	1.55	1.85	2.15	5.6	6.7	7.7	3.5	4.1	4.8
Cloudy	75	10	50	BLACK_TOP	-5	1.70	1.95	2.25	6.1	7.0	8.1	3.8	4.4	5.0
Cloudy	75	10	50	BLACK_TOP	0	1.80	2.05	2.40	6.5	7.4	8.6	4.0	4.6	5.4
Cloudy	75	10	50	BLACK_TOP	5	1.30	1.55	1.85	4.7	5.6	6.7	2.9	3.5	4.1
Cloudy	75	10	50	BLACK_TOP	10	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Cloudy	75	10	50	BLACK_TOP	15	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Cloudy	75	10	50	BLACK_TOP	20	0.60	0.75	1.00	2.2	2.7	3.6	1.3	1.7	2.2
Cloudy	75	10	50	BLACK_TOP	30	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Cloudy	75	10	50	BLACK_TOP	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	75	10	50	BLACK_TOP	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Cloudy	75	10	50	DIRT_ROAD	-50	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Cloudy	75	10	50	DIRT_ROAD	-40	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Cloudy	75	10	50	DIRT_ROAD	-30	1.15	1.40	1.70	4.1	5.0	6.1	2.6	3.1	3.8
Cloudy	75	10	50	DIRT_ROAD	-20	1.30	1.55	1.85	4.7	5.6	6.7	2.9	3.5	4.1
Cloudy	75	10	50	DIRT_ROAD	-15	1.40	1.65	1.95	5.0	5.9	7.0	3.1	3.7	4.4
Cloudy	75	10	50	DIRT_ROAD	-10	1.50	1.75	2.05	5.4	6.3	7.4	3.4	3.9	4.6
Cloudy	75	10	50	DIRT_ROAD	-5	1.60	1.85	2.15	5.8	6.7	7.7	3.6	4.1	4.8
Cloudy	75	10	50	DIRT_ROAD	0	1.70	1.95	2.25	6.1	7.0	8.1	3.8	4.4	5.0
Cloudy	75	10	50	DIRT_ROAD	5	1.20	1.45	1.75	4.3	5.2	6.3	2.7	3.2	3.9
Cloudy	75	10	50	DIRT_ROAD	10	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Cloudy	75	10	50	DIRT_ROAD	15	0.70	0.85	1.10	2.5	3.1	4.0	1.6	1.9	2.5
Cloudy	75	10	50	DIRT_ROAD	20	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Cloudy	75	10	50	DIRT_ROAD	30	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Cloudy	75	10	50	DIRT_ROAD	40	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Cloudy	75	10	50	DIRT_ROAD	50	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Cloudy	75	10	50	LOOSE_SAND	-50	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Cloudy	75	10	50	LOOSE_SAND	-40	0.60	0.75	0.95	2.2	2.7	3.4	1.3	1.7	2.1
Cloudy	75	10	50	LOOSE_SAND	-30	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Cloudy	75	10	50	LOOSE_SAND	-20	0.85	1.00	1.25	3.1	3.6	4.5	1.9	2.2	2.8
Cloudy	75	10	50	LOOSE_SAND	-15	0.95	1.10	1.30	3.4	4.0	4.7	2.1	2.5	2.9
Cloudy	75	10	50	LOOSE_SAND	-10	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Cloudy	75	10	50	LOOSE_SAND	-5	1.10	1.30	1.50	4.0	4.7	5.4	2.5	2.9	3.4
Cloudy	75	10	50	LOOSE_SAND	0	1.25	1.40	1.65	4.5	5.0	5.9	2.8	3.1	3.7
Cloudy	75	10	50	LOOSE_SAND	5	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Cloudy	75	10	50	LOOSE_SAND	10	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Cloudy	75	10	50	LOOSE_SAND	15	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Cloudy	75	10	50	LOOSE_SAND	20	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Cloudy	75	10	50	LOOSE_SAND	30	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Cloudy	75	10	50	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Cloudy	75	10	50	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table E-24. Maximum Sustainable Speed, Cloudy, 75% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/h		Max Su (n	stainabl niles/hou	
						F	lisk Leve	91	F	Risk Leve	əl	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	75	15	59	BLACK_TOP	-50	0.90	1.10	1.30	3.2	4.0	4.7	2.0	2.5	2.9
Cloudy	75	15	59	BLACK_TOP	-40	1.00	1.25	1.45	3.6	4.5	5.2	2.2	2.8	3.2
Cloudy	75	15	59	BLACK_TOP	-30	1.10	1.40	1.60	4.0	5.0	5.8	2.5	3.1	3.6
Cloudy	75	15	59	BLACK_TOP	-20	1.30	1.55	1.75	4.7	5.6	6.3	2.9	3.5	3.9
Cloudy	75	15	59	BLACK_TOP	-15	1.35	1.65	1.85	4.9	5.9	6.7	3.0	3.7	4.1
Cloudy	75	15	59	BLACK_TOP	-10	1.45	1.75	1.95	5.2	6.3	7.0	3.2	3.9	4.4
Cloudy	75	15	59	BLACK_TOP	-5	1.55	1.85	2.05	5.6	6.7	7.4	3.5	4.1	4.6
Cloudy	75	15	59	BLACK_TOP	0	1.70	1.95	2.20	6.1	7.0	7.9	3.8	4.4	4.9
Cloudy	75	15	59	BLACK_TOP	5	1.20	1.45	1.70	4.3	5.2	6.1	2.7	3.2	3.8
Cloudy	75	15	59	BLACK_TOP	10	0.90	1.10	1.30	3.2	4.0	4.7	2.0	2.5	2.9
Cloudy	75	15	59	BLACK_TOP	15	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Cloudy	75	15	59	BLACK_TOP	20	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Cloudy	75	15	59	BLACK_TOP	30	0.35	0.50	0.60	1.3	1.8	2.2	0.8	1.1	1.3
Cloudy	75	15	59	BLACK_TOP	40	0.30	0.40	0.45	1.1	1.4	1.6	0.7	0.9	1.0
Cloudy	75	15	59	BLACK_TOP	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Cloudy	75	15	59	DIRT_ROAD	-50	0.80	1.05	1.20	2.9	3.8	4.3	1.8	2.4	2.7
Cloudy	75	15	59	DIRT_ROAD	-40	0.90	1.15	1.35	3.2	4.1	4.9	2.0	2.6	3.0
Cloudy	75	15	59	DIRT_ROAD	-30	1.05	1.30	1.50	3.8	4.7	5.4	2.4	2.9	3.4
Cloudy	75	15	59	DIRT_ROAD	-20	1.20	1.45	1.65	4.3	5.2	5.9	2.7	3.2	3.7
Cloudy	75	15	59	DIRT_ROAD	-15	1.30	1.55	1.75	4.7	5.6	6.3	2.9	3.5	3.9
Cloudy	75 75	15	59	DIRT_ROAD	-10	1.40	1.65	1.85	5.0	5.9	6.7	3.1	3.7	4.1
Cloudy	75 75	15	59	DIRT_ROAD	-10 -5	1.50	1.75	1.95	5.4	6.3	7.0	3.4	3.9	4.4
•	75 75	15	59 59	DIRT_ROAD	-5	1.60	1.85	2.10	5.8	6.7	7.6	3.6	4.1	4.7
Cloudy Cloudy	75 75	15	59	DIRT_ROAD	5	1.10	1.35	1.60	4.0	4.9	5.8	2.5	3.0	3.6
•	75 75	15	59	DIRT_ROAD	10	0.80	1.05	1.20	2.9	3.8	4.3	1.8	2.4	2.7
Cloudy		15		DIRT_ROAD	15	0.60	0.80	0.95	2.9	2.9	3.4	1.3	1.8	2.1
Cloudy	75 75	15	59 59	DIRT_ROAD	20	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Cloudy				DIRT_ROAD		0.35		0.55	1.3	1.6	2.9	0.8	1.0	1.2
Cloudy	75 	15	59	DIRT_ROAD	30		0.45		l			1		
Cloudy	75	15	59	-	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Cloudy	75	15	59	DIRT_ROAD	50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Cloudy	75 75	15	59	LOOSE_SAND	-50	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Cloudy	75	15	59	LOOSE_SAND	-40	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Cloudy	75	15	59	LOOSE_SAND	-30	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
Cloudy	75	15	59	LOOSE_SAND	-20	0.80	0.95	1.10	2.9	3.4	4.0	1.8	2.1	2.5
Cloudy	75	15	59	LOOSE_SAND	-15	0.85	1.05	1.20	3.1	3.8	4.3	1.9	2.4	2.7
Cloudy	75	15	59	LOOSE_SAND	-10	0.95	1.15	1.30	3.4	4.1	4.7	2.1	2.6	2.9
Cloudy	75	15	59	LOOSE_SAND	-5	1.05	1.25	1.40	3.8	4.5	5.0	2.4	2.8	3.1
Cloudy	75	15	59	LOOSE_SAND	0	1.15	1.35	1.50	4.1	4.9	5.4	2.6	3.0	3.4
Cloudy	75	15	59	LOOSE_SAND	5	0.70	0.90	1.05	2.5	3.2	3.8	1.6	2.0	2.4
Cloudy	75	15	59	LOOSE_SAND	10	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Cloudy	75	15	59	LOOSE_SAND	15	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Cloudy	75	15	59	LOOSE_SAND	20	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Cloudy	75	15	59	LOOSE_SAND	30	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Cloudy	75	15	59	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Cloudy	75	15	59	LOOSE_SAND	50	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3

Table E-25. Maximum Sustainable Speed, Cloudy, 75% Humidity, 20°C (68°F)

Cloudy 75 20 68 BLACK_TOP 40 0.90 1.10 1.25 3.2 4.0 4.5 2.0 2.5 2.8 2.5 2.		Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainable ters/sec	ond)	(kilo	stainable meters/h	our)	(n	stainable niles/hou	ır)
Cloudy 75 20 68 BLACK_TOP -50 0.80 0.95 1.10 2.9 3.4 4.0 1.8 2.1 2.5								F	lisk Leve	l	F	lisk Leve	ei	F	Risk Leve	el
Cloudy 75 20 68 BLACK_TOP -40 0.90 1.10 1.25 3.2 4.0 4.5 2.0 2.5 2.8 Cloudy 75 20 68 BLACK_TOP -30 1.00 1.20 1.40 1.55 4.1 5.0 5.6 6.6 6.5 3.1 3.5 Cloudy 75 20 68 BLACK_TOP -15 1.25 1.45 1.65 4.1 5.0 5.6 6.3 3.0 3.5 3.9 Cloudy 75 20 68 BLACK_TOP -15 1.25 1.45 1.65 4.5 5.2 5.9 2.8 3.2 3.7 Cloudy 75 20 68 BLACK_TOP -5 1.45 1.70 1.85 5.2 6.1 6.7 3.2 3.8 4.1 Cloudy 75 20 68 BLACK_TOP -5 1.45 1.70 1.85 5.2 6.1 6.7 3.2 3.8 4.1 Cloudy 75 20 68 BLACK_TOP -5 1.45 1.70 1.85 5.2 6.1 6.7 3.2 3.8 4.1 Cloudy 75 20 68 BLACK_TOP 5 1.45 1.70 1.80 1.95 5.6 6.5 7.0 3.5 4.0 4.0 Cloudy 75 20 68 BLACK_TOP 5 1.10 1.30 1.45 4.0 4.7 5.2 2.5 2.9 3.2 Cloudy 75 20 68 BLACK_TOP 10 0.80 0.95 1.10 2.9 3.4 4.0 1.8 2.1 2.5 Cloudy 75 20 68 BLACK_TOP 20 0.45 0.60 0.75 0.85 2.2 2.7 3.1 1.3 1.7 1.9 Cloudy 75 20 68 BLACK_TOP 30 0.30 0.40 0.50 1.1 1.4 1.8 0.7 0.9 1.1 Cloudy 75 20 68 BLACK_TOP 40 0.25 0.30 0.40 0.9 1.1 1.4 1.8 0.7 0.9 1.1 Cloudy 75 20 68 BLACK_TOP 40 0.25 0.30 0.40 0.9 1.1 1.4 0.6 0.7 0.9 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.7 0.9 1.1 0.4 0.6 0.7 0.7 0.9 0.5 0								Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy 75 20 68 BLACK_TOP -30 1.00 1.20 1.40 3.6 4.3 5.0 2.2 2.7 3.1		Cloudy	75	20	68	BLACK_TOP	-50	0.80	0.95	1.10						
Cloudy 75 20 68 BLACK_TOP -20 1.15 1.40 1.55 4.1 5.0 5.6 2.6 3.1 3.5		Cloudy	75	20	68	BLACK_TOP	-40	0.90	1.10	1.25	3.2		4.5	2.0		
Cloudy 75 20 68 BLACK_TOP -15 1.25 1.45 1.65 4.5 5.2 5.9 2.8 3.2 3.7		Cloudy	75	20	68	BLACK_TOP	-30	1.00	1.20	1.40		4.3	5.0	1		
Cloudy 75 20 68 BLACK_TOP -10 1.35 1.55 1.75 4.9 5.6 6.3 3.0 3.5 3.9		Cloudy	75	20	68	BLACK_TOP	-20	1.15	1.40	1.55	4.1		5.6	2.6		
Cloudy 75 20 68 BLACK_TOP 5 1.45 1.70 1.85 5.2 6.1 6.7 3.2 3.8 4.1		Cloudy	75	20	68	BLACK_TOP	-15	1.25	1.45	1.65	4.5			2.8		
Cloudy 75 20 68 BLACK_TOP 0 1.55 1.80 1.95 5.6 6.5 7.0 3.5 4.0 4.4 Cloudy 75 20 68 BLACK_TOP 10 0.80 0.95 1.10 2.9 3.4 4.0 1.8 2.1 2.5 Cloudy 75 20 68 BLACK_TOP 15 0.60 0.95 1.10 2.9 3.4 4.0 1.8 2.1 2.5 Cloudy 75 20 68 BLACK_TOP 15 0.60 0.75 0.85 2.2 2.7 3.1 1.3 1.7 1.9 Cloudy 75 20 68 BLACK_TOP 20 0.45 0.60 0.70 1.6 2.2 2.5 1.0 1.3 1.6 Cloudy 75 20 68 BLACK_TOP 30 0.30 0.40 0.50 1.1 1.4 1.8 0.7 0.9 1.1 Cloudy 75 20 68 BLACK_TOP 40 0.25 0.30 0.40 0.9 1.1 1.4 1.8 0.6 0.7 0.9 Cloudy 75 20 68 BLACK_TOP 40 0.25 0.30 0.40 0.9 1.1 1.4 1.8 0.6 0.7 0.9 Cloudy 75 20 68 BLACK_TOP 50 0.20 0.25 0.30 0.40 0.9 1.1 1.4 0.6 0.7 0.9 Cloudy 75 20 68 DIRT_ROAD -50 0.70 0.90 1.05 2.5 3.2 3.8 1.6 2.0 2.4 Cloudy 75 20 68 DIRT_ROAD -50 0.70 0.95 1.15 1.30 3.4 4.1 4.7 2.1 2.6 2.9 Cloudy 75 20 68 DIRT_ROAD -20 1.10 1.30 1.45 4.0 4.7 5.2 2.5 2.9 3.2 Cloudy 75 20 68 DIRT_ROAD -20 1.10 1.30 1.45 4.0 4.7 5.2 2.5 2.9 3.2 Cloudy 75 20 68 DIRT_ROAD -20 1.10 1.30 1.45 4.0 4.7 5.2 2.5 2.9 3.2 Cloudy 75 20 68 DIRT_ROAD -50 0.70 0.95 1.15 1.30 3.4 4.1 4.7 2.1 2.6 2.9 Cloudy 75 20 68 DIRT_ROAD -50 1.10 1.30 1.45 4.0 4.7 5.2 2.5 2.9 3.2 Cloudy 75 20 68 DIRT_ROAD -50 1.10 1.30 1.55 1.65 4.7 5.4 5.9 2.9 3.4 3.7 Cloudy 75 20 68 DIRT_ROAD -10 1.30 1.50 1.65 4.7 5.4 5.9 2.9 3.4 3.7 Cloudy 75 20 68 DIRT_ROAD -50 1.40 1.65 1.65 4.7 5.4 5.9 2.9 3.4 3.7 Cloudy 75 20 68 DIRT_ROAD -50 1.50 1.70 1.85 5.4 6.1 6.7 3.4 3.8 4.1 Cloudy 75 20 68 DIRT_ROAD -50 1.50 1.70 1.85 5.4 6.1 6.7 3.4 3.8 4.1 Cloudy 75 20 68 DIRT_ROAD -50 1.50 1.70 1.85 5.4 6.1 6.7 3.4 3.8 4.1 Cloudy 75 20 68 DIRT_ROAD -50 1.50 1.70 1.85 5.4 6.1 6.7 3.4 3.5 0.9 2.9 3.4 3.7 Cloudy 75 20 68 DIRT_ROAD -50 1.50 1.50 1.50 1.50 2.2 2.5 2.9 1.2 1.5 Cloudy 75 20 68 DIRT_ROAD 5 1.00 1.50 1.70 1.85 5.4 6.1 6.7 3.4 3.8 4.1 1.5 0.0 1.2 1.5 Cloudy 75 20 68 DIRT_ROAD 5 1.00 1.50 1.70 1.85 5.4 6.1 6.7 3.4 3.5 0.9 1.1 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5		Cloudy	75	20	68	BLACK_TOP	-10	1.35	1.55	1.75	4.9	5.6	6.3	3.0		
Cloudy 75 20 68 BLACK_TOP 5 1.10 1.30 1.45 4.0 4.7 5.2 2.5 2.9 3.2 Cloudy 75 20 68 BLACK_TOP 10 0.80 0.95 1.10 2.9 3.4 4.0 1.8 2.1 2.5 Cloudy 75 20 68 BLACK_TOP 15 0.60 0.75 0.855 2.2 2.7 3.1 1.3 1.7 1.9 Cloudy 75 20 68 BLACK_TOP 20 0.45 0.60 0.70 1.6 2.2 2.5 1.0 1.3 1.7 1.9 Cloudy 75 20 68 BLACK_TOP 40 0.25 0.30 0.40 0.50 1.1 1.4 1.8 0.7 0.9 1.1 Cloudy 75 20 68 BLACK_TOP 40 0.25 0.30 0.40 0.50 1.1 1.4 1.8 0.7 0.9 1.1 Cloudy 75 20 68 BLACK_TOP 50 0.20 0.25 0.30 0.40 0.9 1.1 1.4 0.6 0.7 0.9 Cloudy 75 20 68 BLACK_TOP 50 0.20 0.25 0.30 0.40 0.9 1.1 1.4 0.6 0.7 0.9 Cloudy 75 20 68 DIRT_ROAD -50 0.20 0.25 0.30 0.40 0.9 1.1 1.4 0.6 0.7 0.9 Cloudy 75 20 68 DIRT_ROAD -40 0.85 1.00 1.15 3.1 3.6 4.1 1.9 2.2 2.6 Cloudy 75 20 68 DIRT_ROAD -30 0.95 1.15 1.30 3.4 4.1 4.7 2.1 2.6 2.9 Cloudy 75 20 68 DIRT_ROAD -30 0.95 1.15 1.30 3.4 4.1 4.7 5.2 2.5 2.9 3.2 Cloudy 75 20 68 DIRT_ROAD -10 1.30 1.45 4.0 4.7 5.2 2.5 2.9 3.2 Cloudy 75 20 68 DIRT_ROAD -10 1.30 1.45 4.0 4.7 5.2 2.5 2.9 3.2 Cloudy 75 20 68 DIRT_ROAD -10 1.30 1.55 1.50 1.55 4.3 5.0 5.6 2.7 3.1 3.5 Cloudy 75 20 68 DIRT_ROAD -10 1.30 1.50 1.55 4.3 5.0 5.6 2.7 3.1 3.5 Cloudy 75 20 68 DIRT_ROAD -10 1.30 1.50 1.55 4.7 5.4 5.9 2.9 3.4 3.7 Cloudy 75 20 68 DIRT_ROAD -10 1.30 1.50 1.55 4.7 5.4 5.9 2.9 3.4 3.7 Cloudy 75 20 68 DIRT_ROAD -10 1.30 1.50 1.55 4.7 5.4 5.9 2.9 3.4 3.7 Cloudy 75 20 68 DIRT_ROAD -10 1.30 1.50 1.55 5.0 5.8 6.3 3.1 3.6 3.9 Cloudy 75 20 68 DIRT_ROAD 5 1.00 1.20 1.35 3.6 4.3 4.9 2.2 2.7 3.0 Cloudy 75 20 68 DIRT_ROAD 5 1.00 1.20 1.35 3.6 4.3 4.9 2.2 2.7 3.0 Cloudy 75 20 68 DIRT_ROAD 5 1.00 1.20 1.35 3.6 4.3 4.9 2.2 2.7 3.0 Cloudy 75 20 68 DIRT_ROAD 5 1.00 1.20 1.35 3.6 4.3 4.9 2.2 2.7 3.0 Cloudy 75 20 68 DIRT_ROAD 5 1.00 1.20 1.35 3.6 4.3 4.9 2.2 2.7 3.0 Cloudy 75 20 68 DIRT_ROAD 5 0.00 1.20 1.35 3.6 4.3 4.9 2.2 2.7 3.0 Cloudy 75 20 68 DIRT_ROAD 5 0.00 1.20 1.35 3.6 4.3 4.9 2.2 2.7 3.0 Cloudy 75 20 68 DIRT_ROAD 5 0.00 1.20 1.35 3.6 4.3 4.9 2.2 2.7 3.0 Cloudy 75 20 68 DIRT_ROAD 5 0.00 1.20 1.25 1.35 3.0 4.0 0.00 1.1 1.3 1.4 1.6 0.0 0.00 1.1 1.3 1.6 1.8 Cloudy 7		Cloudy	75	20	68	BLACK_TOP	-5	1.45	1.70	1.85	5.2	6.1	6.7	3.2	3.8	4.1
Cloudy 75 20 68 BLACK_TOP 10 0.80 0.95 1.10 2.9 3.4 4.0 1.8 2.1 2.5		Cloudy	75	20	68	BLACK_TOP	0	1.55	1.80	1.95	5.6	6.5	7.0	3.5	4.0	4.4
Cloudy 75 20 68 BLACK_TOP 15 0.60 0.75 0.85 2.2 2.7 3.1 1.3 1.7 1.9		Cloudy	75	20	68	BLACK_TOP	5	1.10	1.30	1.45	4.0	4.7	5.2	2.5	2.9	3.2
Cloudy 75 20 68 BLACK_TOP 30 0.30 0.40 0.50 1.1 1.4 1.8 0.7 0.9 1.1 Cloudy 75 20 68 BLACK_TOP 40 0.25 0.30 0.40 0.9 1.1 1.4 1.8 0.7 0.9 1.1 Cloudy 75 20 68 BLACK_TOP 50 0.20 0.25 0.30 0.40 0.9 1.1 1.4 0.6 0.7 0.9 Cloudy 75 20 68 BLACK_TOP 50 0.20 0.25 0.30 0.40 0.9 1.1 1.4 0.6 0.7 0.9 Cloudy 75 20 68 BLACK_TOP 50 0.20 0.25 0.30 0.7 0.9 1.1 0.4 0.6 0.7 0.9 Cloudy 75 20 68 DIRT_ROAD -50 0.70 0.90 1.05 2.5 3.2 3.8 1.6 2.0 2.4 Cloudy 75 20 68 DIRT_ROAD -30 0.95 1.15 1.30 3.4 4.1 1.9 2.2 2.6 Cloudy 75 20 68 DIRT_ROAD -30 0.95 1.15 1.30 3.4 4.1 4.7 2.1 2.6 2.9 2.6 Cloudy 75 20 68 DIRT_ROAD -15 1.20 1.40 1.55 4.3 5.0 5.6 2.7 3.1 3.5 Cloudy 75 20 68 DIRT_ROAD -15 1.20 1.40 1.55 4.3 5.0 5.6 2.7 3.1 3.5 Cloudy 75 20 68 DIRT_ROAD -5 1.40 1.65 4.7 5.4 5.9 2.9 3.4 3.7 Cloudy 75 20 68 DIRT_ROAD -5 1.40 1.60 1.75 5.0 5.8 6.3 3.1 3.6 3.9 Cloudy 75 20 68 DIRT_ROAD -5 1.40 1.60 1.75 5.0 5.8 6.3 3.1 3.6 3.9 Cloudy 75 20 68 DIRT_ROAD -5 1.40 1.60 1.75 5.0 5.8 6.3 3.1 3.6 3.9 Cloudy 75 20 68 DIRT_ROAD -5 1.00 1.20 1.35 5.4 6.1 6.7 3.4 3.8 4.1 Cloudy 75 20 68 DIRT_ROAD -5 1.00 1.20 1.35 5.4 6.1 6.7 3.4 3.8 4.1 Cloudy 75 20 68 DIRT_ROAD 10 0.70 0.90 1.05 2.5 3.2 3.8 1.6 2.0 2.4 Cloudy 75 20 68 DIRT_ROAD 10 0.70 0.90 1.05 2.5 3.2 3.8 1.6 2.0 2.4 Cloudy 75 20 68 DIRT_ROAD 10 0.70 0.90 1.05 2.5 3.2 3.8 1.6 2.0 2.4 Cloudy 75 20 68 DIRT_ROAD 20 0.45 0.55 0.65 1.6 2.0 2.3 1.0 1.2 1.5 Cloudy 75 20 68 DIRT_ROAD 20 0.45 0.55 0.65 1.6 2.0 2.3 1.0 1.2 1.5 Cloudy 75 20 68 DIRT_ROAD 30 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.0 Cloudy 75 20 68 DIRT_ROAD 30 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.0 Cloudy 75 20 68 DIRT_ROAD 30 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.0 Cloudy 75 20 68 DIRT_ROAD 30 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.0 Cloudy 75 20 68 DIRT_ROAD 30 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.0 Cloudy 75 20 68 DIRT_ROAD 30 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.0 1.0 Cloudy 75 20 68 DIRT_ROAD 30 0.50 0.60 0.70 0.80 2.2 2.5 2.9 1.3 1.6 1.8 1.8 Cloudy 75 20 68 DIRT_ROAD 30 0.50 0.50 0.50 0.50 0.50 0.9 0.9 0.3 0.3 0.6 0.6 Cloudy 75 20 68 LOOSE_SAND -40 0.		Cloudy	75	20	68	BLACK_TOP	10	0.80	0.95	1.10	2.9	3.4	4.0	1.8	2.1	2.5
Cloudy 75 20 68 BLACK_TOP 20 0.45 0.60 0.70 1.6 2.2 2.5 1.0 1.3 1.6		Cloudy	75	20	68	BLACK_TOP	15	0.60	0.75	0.85	2.2	2.7	3.1	1.3	1.7	1.9
Cloudy 75 20 68 BLACK_TOP 30 0.30 0.40 0.50 1.1 1.4 1.8 0.7 0.9 1.1		•	75	20	68	BLACK_TOP	20	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Cloudy 75 20 68 BLACK_TOP 40 0.25 0.30 0.40 0.9 1.1 1.4 0.6 0.7 0.9 Cloudy 75 20 68 BLACK_TOP 50 0.20 0.25 0.30 0.7 0.9 1.1 0.4 0.6 0.7 0.9 Cloudy 75 20 68 DIRT_ROAD -50 0.70 0.90 1.05 1.5 3.1 3.6 4.1 1.9 2.2 2.6 Cloudy 75 20 68 DIRT_ROAD -30 0.95 1.15 1.30 3.4 4.1 4.7 2.1 2.6 2.9 Cloudy 75 20 68 DIRT_ROAD -20 1.10 1.30 1.45 4.0 4.7 5.2 2.5 2.9 3.2 Cloudy 75 20 68 DIRT_ROAD -10 1.30 1.40 1.55 4.3 5.0 5.6 2.7 3.1 3.5 Cloudy 75 20 68 DIRT_ROAD -10 1.30 1.40 1.55 4.3 5.0 5.6 2.7 3.1 3.5 Cloudy 75 20 68 DIRT_ROAD -10 1.30 1.50 1.65 4.7 5.4 5.9 2.9 3.4 3.7 Cloudy 75 20 68 DIRT_ROAD -5 1.40 1.60 1.55 4.3 5.0 5.6 2.7 3.1 3.5 Cloudy 75 20 68 DIRT_ROAD -5 1.40 1.60 1.55 4.3 5.0 5.6 2.7 3.1 3.6 Cloudy 75 20 68 DIRT_ROAD -5 1.40 1.60 1.55 5.0 5.8 6.3 3.1 3.6 3.9 Cloudy 75 20 68 DIRT_ROAD -5 1.40 1.60 1.55 5.0 5.8 6.3 3.1 3.6 3.9 Cloudy 75 20 68 DIRT_ROAD -5 1.40 1.60 1.55 5.4 6.1 6.7 3.4 3.8 4.1 Cloudy 75 20 68 DIRT_ROAD 5 1.00 1.20 1.35 3.6 4.3 4.9 2.2 2.2 7.3 0.0 Cloudy 75 20 68 DIRT_ROAD 5 1.00 1.20 1.35 3.6 4.3 4.9 2.2 2.2 7.3 0.0 Cloudy 75 20 68 DIRT_ROAD 5 1.00 1.20 1.35 3.6 4.3 4.9 2.2 2.2 7.3 0.0 Cloudy 75 20 68 DIRT_ROAD 5 1.00 0.70 0.90 1.05 2.5 3.2 3.8 1.6 2.0 2.4 Cloudy 75 20 68 DIRT_ROAD 5 1.00 0.70 0.90 1.05 2.5 3.2 3.8 1.6 2.0 2.4 Cloudy 75 20 68 DIRT_ROAD 10 0.70 0.90 1.05 2.5 3.2 3.2 3.8 1.6 2.0 2.4 Cloudy 75 20 68 DIRT_ROAD 30 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.0 Cloudy 75 20 68 DIRT_ROAD 30 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.0 Cloudy 75 20 68 DIRT_ROAD 30 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.0 Cloudy 75 20 68 DIRT_ROAD 30 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.3 1.6 Cloudy 75 20 68 DIRT_ROAD 30 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.3 1.6 Cloudy 75 20 68 DIRT_ROAD 30 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.1 1.3 0.4 0.7 0.8 Cloudy 75 20 68 LOOSE_SAND -50 0.40 0.50 0.60 0.70 1.8 2.2 2.5 1.1 1.3 1.6 Cloudy 75 20 68 LOOSE_SAND -50 0.40 0.50 0.60 0.70 0.85 0.95 2.5 3.1 3.4 1.6 1.9 2.1 2.4 Cloudy 75 20 68 LOOSE_SAND -50 0.60 0.70 0.85 0.95 2.5 3.1 3.4 3.8 1.8 2.1 2.4 Cloudy 75 20 68 LOOSE_SAND -0 0.60 0.70 0.85					68	BLACK_TOP	30	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Cloudy 75 20 68 BLACK_TOP 50 0.20 0.25 0.30 0.7 0.9 1.1 0.4 0.6 0.7		•					40	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
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Cloudy 75 20 68 DIRT_ROAD 50 0.15 0.25 0.25 0.5 0.9 0.9 0.3 0.6 0.6 Cloudy 75 20 68 LOOSE_SAND -50 0.40 0.50 0.60 1.4 1.8 2.2 0.9 1.1 1.3 1.6 Cloudy 75 20 68 LOOSE_SAND -30 0.60 0.70 1.8 2.2 2.5 1.1 1.3 1.6 1.8 Cloudy 75 20 68 LOOSE_SAND -20 0.70 0.85 0.95 2.5 3.1 3.4 1.6 1.9 2.1 Cloudy 75 20 68 LOOSE_SAND -15 0.80 0.95 1.05 2.9 3.4 3.8 1.8 2.1 2.4 Cloudy 75 20 68 LOOSE_SAND -10 0.85 1.00 1.15 3.1 3.6 4.1 1.9 2.2 2.6 Cloudy 75 20 68 LOOSE_SAND -5 0.95 1.10 1.25 3.4 4.0 4.5 2.1 2.5 2.8 Cloudy 75 20 68 LOOSE_SAND 0 1.10 1.25 1.35 4.0 4.5 4.9 2.5 2.8 3.0 Cloudy 75 20 68 LOOSE_SAND 5 0.65 0.75 0.90 2.3 2.7 3.2 1.5 1.7 2.0 Cloudy 75 20 68 LOOSE_SAND 10 0.40 0.50 0.60 1.4 1.8 2.2 0.9 1.1 1.3 Cloudy 75 20 68 LOOSE_SAND 15 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.0 Cloudy 75 20 68 LOOSE_SAND 15 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.0 Cloudy 75 20 68 LOOSE_SAND 15 0.30 0.40 0.45 1.1 1.4 1.6 0.7 0.9 1.0 Cloudy 75 20 68 LOOSE_SAND 20 0.20 0.30 0.35 0.7 1.1 1.3 0.4 0.7 0.8 Cloudy 75 20 68 LOOSE_SAND 30 0.15 0.20 0.25 0.5 0.7 0.9 0.3 0.4 0.6		•					40		0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
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Table E-26. Maximum Sustainable Speed, Cloudy, 75% Humidity, 25°C (77°F)

	Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	1	stainable ters/seco	•	Max Su (kilo	stainable meters/h		1	stainabl	•
							F	Risk Leve	el	F	lisk Leve	əl	F	Risk Leve	əl
							Low	Mod	High	Low	Mod	High	Low	Mod	High
	Cloudy	75	25	77	BLACK_TOP	-50	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
(Cloudy	75	2 5	77	BLACK_TOP	-40	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
(Cloudy	75	25	77	BLACK_TOP	-30	0.90	1.00	1.10	3.2	3.6	4.0	2.0	2.2	2.5
•	Cloudy	75	25	77	BLACK_TOP	-20	1.05	1.15	1.30	3.8	4.1	4.7	2.4	2.6	2.9
(Cloudy	75	25	77	BLACK_TOP	-15	1.10	1.25	1.35	4.0	4.5	4.9	2.5	2.8	3.0
(Cloudy	75	25	77	BLACK_TOP	-10	1.20	1.30	1.45	4.3	4.7	5.2	2.7	2.9	3.2
(Cloudy	7 5	25	77	BLACK_TOP	-5	1.30	1.40	1. 5 5	4.7	5.0	5.6	2.9	3.1	3.5
(Cloudy	75	25	77	BLACK_TOP	0	1.45	1.55	1.70	5.2	5.6	6.1	3.2	3.5	3.8
(Cloudy	75	25	77	BLACK_TOP	5	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
(Cloudy	75	25	77	BLACK_TOP	10	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
(Cloudy	75	25	77	BLACK_TOP	15	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
	Cloudy	75	25	77	BLACK_TOP	20	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
	Cloudy	75	25	77	BLACK_TOP	30	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
	Cloudy	75	25	77	BLACK_TOP	40	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
	Cloudy	75	25	77	BLACK_TOP	50	0.15	0.20	0.20	0.5	0.7	0.7	0.3	0.4	0.4
	Cloudy	75	25	77	DIRT_ROAD	-50	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
	Cloudy	75	25	77	DIRT_ROAD	-40	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
(Cloudy	75	25	77	DIRT_ROAD	-30	0.85	0.90	1.05	3.1	3.2	3.8	1.9	2.0	2.4
(Cloudy	75	25	77	DIRT_ROAD	-20	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
	Cloudy	75	25	77	DIRT_ROAD	-15	1.05	1.15	1.30	3.8	4.1	4.7	2.4	2.6	2.9
(Cloudy	75	25	77	DIRT_ROAD	-10	1.15	1.25	1.40	4.1	4.5	5.0	2.6	2.8	3.1
(Cloudy	75	25	77	DIRT_ROAD	- 5	1.25	1.35	1.50	4.5	4.9	5.4	2.8	3.0	3.4
(Cloudy	75	25	77	DIRT_ROAD	0	1.35	1.45	1.60	4.9	5.2	5.8	3.0	3.2	3.6
	Cloudy	75	25	77	DIRT_ROAD	5	0.90	1.00	1.10	3.2	3.6	4.0	2.0	2.2	2.5
(Cloudy	75	25	77	DIRT_ROAD	10	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
(Cloudy	75	25	77	DIRT_ROAD	15	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
(Cloudy	75	25	77	DIRT_ROAD	20	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
(Cloudy	7 5	25	77	DIRT_ROAD	30	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
(Cloudy	75	25	77	DIRT_ROAD	40	0.20	0.20	0.25	0.7	0.7	0.9	0.4	0.4	0.6
(Cloudy	75	25	77	DIRT_ROAD	50	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
(Cloudy	75	25	77	LOOSE_SAND	-50	0.35	0.40	0.45	1.3	1.4	1.6	0.8	0.9	1.0
(Cloudy	75	25	77	LOOSE_SAND	-40	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
	Cloudy	75	25	77	LOOSE_SAND	-30	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
	Cloudy	75	25	77	LOOSE_SAND	-20	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
(Cloudy	75	25	77	LOOSE_SAND	-15	0.70	0.75	0.85	2.5	2.7	3.1	1.6	1.7	1.9
(Cloudy	75	25	77	LOOSE_SAND	-10	0.75	0.85	0.95	2.7	3.1	3.4	1.7	1.9	2.1
(Cloudy	75	25	77	LOOSE_SAND	-5	0.85	0.95	1.05	3.1	3.4	3.8	1.9	2.1	2.4
(Cloudy	75	25	77	LOOSE_SAND	0	1.00	1.05	1.15	3.6	3.8	4.1	2.2	2.4	2.6
(Cloudy	7 5	25	77	LOOSE_SAND	5	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
(Cloudy	75	25	77	LOOSE_SAND	10	0.35	0.40	0.45	1.3	1.4	1.6	0.8	0.9	1.0
	Cloudy	75	25	77	LOOSE_SAND	15	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
	Cloudy	75	25	77	LOOSE_SAND	20	0.20	0.20	0.25	0.7	0.7	0.9	0.4	0.4	0.6
(Cloudy	75	25	77	LOOSE_SAND	30	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
(Cloudy	75	25	77	LOOSE_SAND	40	0.10	0.10	0.10	0.4	0.4	0.4	0.2	0.2	0.2
	Cloudy	75	25	77	LOOSE_SAND	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2

Table E-27. Maximum Sustainable Speed, Cloudy, 75% Humidity, 30°C (86°F)

Γ	Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabi ters/sec	e Speed ond)		stainable meters/f		(r	stainabl niles/hou	ır)
ı							F	Risk Leve	ei	F	Risk Leve	el e	ı	Risk Leve	el
١							Low	Mod	High	Low	Mod	High	Low	Mod	High
r	Cloudy	75	30	86	BLACK_TOP	-50	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
ı	Cloudy	75	30	86	BLACK_TOP	-40	0.50	0.55	0.70	1.8	2.0	2.5	1.1	1.2	1.6
ı	Cloudy	75	30	86	BLACK_TOP	-30	0.60	0.65	0.80	2.2	2.3	2.9	1.3	1.5	1.8
ı	Cloudy	75	30	86	BLACK_TOP	-20	0.70	0.80	0.95	2.5	2.9	3.4	1.6	1.8	2.1
ı	Cloudy	7 5	30	86	BLACK_TOP	-15	0.80	0.85	1.00	2.9	3.1	3.6	1.8	1.9	2.2
ı	Cloudy	75	30	86	BLACK_TOP	-10	0.85	0.95	1.10	3.1	3.4	4.0	1.9	2.1	2.5
ı	Cloudy	75	30	86	BLACK_TOP	-5	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
ı	Cloudy	75	30	86	BLACK_TOP	0	1.10	1.15	1.35	4.0	4.1	4.9	2.5	2.6	3.0
ı	Cloudy	75	30	86	BLACK_TOP	5	0.65	0.70	0.85	2.3	2.5	3.1	1.5	1.6	1.9
	Cloudy	75	30	86	BLACK_TOP	10	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
	Cloudy	75	30	86	BLACK_TOP	15	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
	Cloudy	75	30	86	BLACK_TOP	20	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
L	Cloudy	75	30	86	BLACK_TOP	30	0.15	0.15	0.25	0.5	0.5	0.9	0.3	0.3	0.6
ı	Cloudy	75	30	86	BLACK_TOP	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
L	Cloudy	75	30	86	BLACK_TOP	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
	Cloudy	75	30	86	DIRT_ROAD	-50	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
ı	Cloudy	75	30	86	DIRT_ROAD	-40	0.45	0.50	0.65	1.6	1.8	2.3	1.0	1.1	1.5
ı	Cloudy	75	30	86	DIRT_ROAD	-30	0.55	0.60	0.75	2.0	2.2	2.7	1.2	1.3	1.7
ı	Cloudy	75	30	86	DIRT_ROAD	-20	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
	Cloudy	75	30	86	DIRT_ROAD	-15	0.75	0.80	0.95	2.7	2.9	3.4	1.7	1.8	2.1
ı	Cloudy	75	30	86	DIRT_ROAD	-10	0.80	0.90	1.05	2.9	3.2	3.8	1.8	2.0	2.4
ı	Cloudy	75	30	86	DIRT_ROAD	-5	0.90	1.00	1.15	3.2	3.6	4.1	2.0	2.2	2.6
ı	Cloudy	75	30	86	DIRT_ROAD	0	1.05	1.10	1.25	3.8	4.0	4.5	2.4	2.5	2.8
L	Cloudy	7 5	30	86	DIRT_ROAD	5	0.60	0.65	0.80	2.2	2.3	2.9	1.3	1.5	1.8
ĺ	Cloudy	75	30	86	DIRT_ROAD	10	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
ı	Cloudy	75	30	86	DIRT_ROAD	15	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
ı	Cloudy	75	30	86	DIRT_ROAD	20	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
ı	Cloudy	75	30	86	DIRT_ROAD	30	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
ı	Cloudy	75	30	86	DIRT_ROAD	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
	Cloudy	75	30	86	DIRT_ROAD	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
İ	Cloudy	75	30	86	LOOSE_SAND	-50	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
	Cloudy	7 5	30	86	LOOSE_SAND	-40	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
l	Cloudy	75	30	86	LOOSE_SAND	-30	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
l	Cloudy	75	30	86	LOOSE_SAND	-20	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
l	Cloudy	7 5	30	86	LOOSE_SAND	-15	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
1	Cloudy	75	30	86	LOOSE_SAND	-10	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
	Cloudy	75	30	86	LOOSE_SAND	-5	0.65	0.70	0.80	2.3	2.5	2.9	1.5	1.6	1.8
	Cloudy	75	30	86	LOOSE_SAND	0	0.75	0.80	0.90	2.7	2.9	3.2	1.7	1.8	2.0
	Cloudy	75	30	86	LOOSE_SAND	5	0.35	0.40	0.50	1.3	1.4	1.8	8.0	0.9	1.1
I	Cloudy	75	30	86	LOOSE_SAND	10	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
	Cloudy	75	30	86	LOOSE_SAND	15	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
	Cloudy	75	30	86	LOOSE_SAND	20	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
	Cloudy	75	30	86	LOOSE_SAND	30	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
	Cloudy	75	30	86	LOOSE_SAND	40	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1
	Cloudy	75	30	86	LOOSE_SAND	50	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1

Table E-28. Maximum Sustainable Speed, Cloudy, 75% Humidity, 35°C (95°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	e Speed ond)		stainabl meters/l	e Speed nour)		stainabl	
						1	Risk Lev	el	F	Risk Lev	el	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cioudy	75	35	95	BLACK_TOP	-50	0.05	0.10	0.25	0.2	0.4	0.9	0.1	0.2	0.6
Cloudy	75	35	95	BLACK_TOP	-40	0.10	0.15	0.30	0.4	0.5	1.1	0.2	0.3	0.7
Cloudy	75	35	95	BLACK_TOP	-30	0.10	0.20	0.35	0.4	0.7	1.3	0.2	0.4	0.8
Cloudy	75	35	95	BLACK_TOP	-20	0.20	0.25	0.45	0.7	0.9	1.6	0.4	0.6	1.0
Cloudy	75	35	95	BLACK_TOP	-15	0.20	0.30	0.50	0.7	1.1	1.8	0.4	0.7	1.1
Cloudy	75	35	95	BLACK_TOP	-10	0.25	0.35	0.60	0.9	1.3	2.2	0.6	8.0	1.3
Cloudy	75	35	95	BLACK_TOP	-5	0.35	0.45	0.70	1.3	1.6	2.5	0.8	1.0	1.6
Cloudy	75	35	95	BLACK_TOP	0	0.45	0.55	0.80	1.6	2.0	2.9	1.0	1.2	1.8
Cloudy	75	35	95	BLACK_TOP	5	0.15	0.20	0.40	0.5	0.7	1.4	0.3	0.4	0.9
Cloudy	75	35	95	BLACK_TOP	10	0.05	0.10	0.25	0.2	0.4	0.9	0.1	0.2	0.6
Cloudy	75	35	95	BLACK_TOP	15	0.05	0.05	0.15	0.2	0.2	0.5	0.1	0.1	0.3
Cloudy	75	35	95	BLACK_TOP	20	0.00	0.05	0.10	0.0	0.2	0.4	0.0	0.1	0.2
Cloudy	75	35	95	BLACK_TOP	30	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Cloudy	75	35	95	BLACK_TOP	40	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Cloudy	75	35	95	BLACK_TOP	50	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Cloudy	75	35	95	DIRT_ROAD	-50	0.05	0.10	0.20	0.2	0.4	0.7	0.1	0.2	0.4
Cloudy	75	3 5	95	DIRT_ROAD	-40	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Cloudy	75	35	95	DIRT_ROAD	-30	0.10	0.15	0.30	0.4	0.5	1.1	0.2	0.3	0.7
Cloudy	75	35	95	DIRT_ROAD	-20	0.15	0.25	0.40	0.5	0.9	1.4	0.3	0.6	0.9
Cloudy	75	35	95	DIRT_ROAD	-15	0.20	0.30	0.50	0.7	1.1	1.8	0.4	0.7	1.1
Cloudy	7 5	35	95	DIRT_ROAD	-10	0.25	0.35	0.55	0.9	1.3	2.0	0.6	0.8	1.2
Cloudy	75	35	95	DIRT_ROAD	-5	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Cloudy	75	35	95	DIRT_ROAD	0	0.45	0.55	0.75	1.6	2.0	2.7	1.0	1.2	1.7
Cloudy	75	35	95	DIRT_ROAD	5	0.15	0.20	0.35	0.5	0.7	1.3	0.3	0.4	0.8
Cloudy	75	35	95	DIRT_ROAD	10	0.05	0.10	0.20	0.2	0.4	0.7	0.1	0.2	0.4
Cloudy	75	35	95	DIRT_ROAD	15	0.05	0.05	0.15	0.2	0.2	0.5	0.1	0.1	0.3
Cloudy	75	35	95	DIRT_ROAD	20	0.00	0.05	0.10	0.0	0.2	0.4	0.0	0.1	0.2
Cloudy	75	35	9 5	DIRT_ROAD	30	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Cloudy	75	35	95	DIRT_ROAD	40	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Cloudy	75	35	95	DIRT_ROAD	50	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Cloudy	75	35	95	LOOSE_SAND	-50	0.00	0.05	0.10	0.0	0.2	0.4	0.0	0.1	0.2
Cloudy	75	35	95	LOOSE_SAND	-40	0.05	0.05	0.15	0.2	0.2	0.5	0.1	0.1	0.3
Cloudy	75	35	95	LOOSE_SAND	-30	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Cloudy	75	3 5	95	LOOSE_SAND	-20	0.10	0.10	0.25	0.4	0.4	0.9	0.2	0.2	0.6
Cloudy	75	35	95	LOOSE_SAND	-15	0.10	0.15	0.30	0.4	0.5	1.1	0.2	0.3	0.7
Cloudy	75	35	95	LOOSE_SAND	-10	0.15	0.20	0.35	0.5	0.7	1.3	0.3	0.4	0.8
Cloudy	75	35	95	LOOSE_SAND	-5	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Cloudy	75	35	95	LOOSE_SAND	0	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	75	35	95	LOOSE_SAND	5	0.05	0.10	0.20	0.2	0.4	0.7	0.1	0.2	0.4
Cloudy	75	35	95	LOOSE_SAND	10	0.00	0.05	0.10	0.0	0.2	0.4	0.0	0.1	0.2
Cloudy	75	35	95	LOOSE_SAND	15	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Cloudy	75	35	95	LOOSE_SAND	20	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Cloudy	7 5	35	95	LOOSE_SAND	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	75	35	95	LOOSE_SAND	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	7 5	35	95	LOOSE_SAND	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0

Table E-29. Maximum Sustainable Speed, Cloudy, 95% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/h			stainabl niles/hou	
						F	lisk Leve	el	F	lisk Leve	əl	F	Risk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	95	5	41	BLACK_TOP	-50	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Cloudy	95	5	41	BLACK_TOP	-40	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Cloudy	95	5	41	BLACK_TOP	-30	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Cloudy	95	5	41	BLACK_TOP	-20	1.45	1.75	2.10	5.2	6.3	7.6	3.2	3.9	4.7
Cloudy	95	5	41	BLACK_TOP	-15	1.55	1.85	2.20	5.6	6.7	7.9	3.5	4.1	4.9
Cloudy	95	5	41	BLACK_TOP	-10	1.65	1.95	2.30	5.9	7.0	8.3	3.7	4.4	5.2
Cloudy	95	5	41	BLACK_TOP	-5	1.75	2.05	2.40	6.3	7.4	8.6	3.9	4.6	5.4
Cloudy	95	5	41	BLACK_TOP	0	1.85	2.15	2.50	6.7	7.7	9.0	4.1	4.8	5.6
Cloudy	95	5	41	BLACK_TOP	5	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Cloudy	95	5	41	BLACK_TOP	10	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Cloudy	95	5	41	BLACK_TOP	15	0.80	1.00	1.30	2.9	3.6	4.7	1.8	2.2	2.9
Cloudy	95	5	41	BLACK_TOP	20	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Cloudy	95	5	41	BLACK_TOP	30	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Cloudy	95	5	41	BLACK_TOP	40	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Cloudy	95	5	41	BLACK_TOP	50	0.30	0.35	0.50	1.1	1.3	1.8	0.7	0.8	1.1
Cloudy	95	5	41	DIRT_ROAD	-50	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Cloudy	95	5	41	DIRT_ROAD	-40	1.10	1.30	1.65	4.0	4.7	5.9	2.5	2.9	3.7
Cloudy	95	5	41	DIRT_ROAD	-30	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Cloudy	95	5	41	DIRT_ROAD	-20	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Cloudy	95	5	41	DIRT_ROAD	-15	1.45	1.75	2.10	5.2	6.3	7.6	3.2	3.9	4.7
Cloudy	95	5	41	DIRT_ROAD	-10	1.55	1.85	2.20	5.6	6.7	7.9	3.5	4.1	4.9
Cloudy	95	5	41	DIRT_ROAD	-5	1.65	1.95	2.30	5.9	7.0	8.3	3.7	4.4	5.2
Cloudy	95	5	41	DIRT_ROAD	0	1.80	2.05	2.40	6.5	7.4	8.6	4.0	4.6	5.4
Cloudy	95	5	41	DIRT_ROAD	5	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Cloudy	95	5	41	DIRT_ROAD	10	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Cloudy	95	5	41	DIRT_ROAD	15	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Cloudy	95	5	41	DIRT_ROAD	20	0.60	0.75	1.00	2.2	2.7	3.6	1.3	1.7	2.2
Cloudy	95	5	41	DIRT_ROAD	30	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Cloudy	95	5	41	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	95	5	41	DIRT_ROAD	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Cloudy	95	5	41	LOOSE_SAND	-50	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Cloudy	95	5	41	LOOSE_SAND	-40	0.65	0.80	1.05	2.3	2.9	3.8	1.5	1.8	2.4
Cloudy	95	5	41	LOOSE_SAND	-30	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Cloudy	95	5	41	LOOSE_SAND	-20	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
Cloudy	95	5	41	LOOSE_SAND	-15	1.00	1.15	1.40	3.6	4.1	5.0	2.2	2.6	3.1
Cloudy	95	5	41	LOOSE_SAND	-10	1.05	1.25	1.50	3.8	4.5	5.4	2.4	2.8	3.4
Cloudy	95	5	41	LOOSE_SAND	-5	1.15	1.35	1.60	4.1	4.9	5.8	2.6	3.0	3.6
Cloudy	95	5	41	LOOSE_SAND	0	1.30	1.50	1.75	4.7	5.4	6.3	2.9	3.4	3.9
Cloudy	95	5	41	LOOSE_SAND	5	0.85	1.00	1.25	3.1	3.6	4.5	1.9	2.2	2.8
Cloudy	95	5	41	LOOSE_SAND	10	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Cloudy	95	5	41	LOOSE_SAND	15	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Cloudy	95	5	41	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Cloudy	95	5	41	LOOSE_SAND	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Cloudy	95	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Cloudy	95	5	41	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table E-30. Maximum Sustainable Speed, Cloudy, 95% Humidity, 10°C (50°F)

	Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	•		stainabl meters/l			stainabi niles/hou	
ı							F	Risk Lev	el	F	lisk Leve	91	F	Risk Lev	el
l							Low	Mod	High	Low	Mod	High	Low	Mod	High
Ì	Cloudy	95	10	50	BLACK_TOP	-50	0.95	1.20	1.45	3.4	4.3	5.2	2.1	2.7	3.2
ı	Cloudy	95	10	50	BLACK_TOP	-40	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
ı	Cloudy	95	10	50	BLACK_TOP	-30	1.20	1.45	1.75	4.3	5.2	6.3	2.7	3.2	3.9
l	Cloudy	95	10	50	BLACK_TOP	-20	1.35	1.65	1.90	4.9	5.9	6.8	3.0	3.7	4.3
ı	Cloudy	95	10	50	BLACK_TOP	-15	1.45	1.75	2.00	5.2	6.3	7.2	3.2	3.9	4.5
l	Cloudy	95	10	50	BLACK_TOP	-10	1.55	1.85	2.10	5.6	6.7	7.6	3.5	4.1	4.7
ı	Cloudy	95	10	50	BLACK_TOP	-5	1.65	1.95	2.20	5.9	7.0	7.9	3.7	4.4	4.9
l	Cloudy	95	10	50	BLACK_TOP	0	1.80	2.05	2.35	6.5	7.4	8.5	4.0	4.6	5.3
l	Cloudy	95	10	50	BLACK_TOP	5	1.30	1.55	1.80	4.7	5.6	6.5	2.9	3.5	4.0
	Cloudy	95	10	50	BLACK_TOP	10	0.95	1.20	1.45	3.4	4.3	5.2	2.1	2.7	3.2
l	Cloudy	95	10	50	BLACK_TOP	15	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
l	Cloudy	95	10	50	BLACK_TOP	20	0.60	0.75	0.95	2.2	2.7	3.4	1.3	1.7	2.1
ı	Cloudy	95	10	50	BLACK_TOP	30	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
ı	Cloudy	95	10	50	BLACK_TOP	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
İ	Cloudy	95	10	50	BLACK_TOP	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
ı	Cloudy	95	10	50	DIRT_ROAD	-50	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
l	Cloudy	95	10	50	DIRT_ROAD	-40	1.00	1.25	1.45	3.6	4.5	5.2	2.2	2.8	3.2
ı	Cloudy	95	10	50	DIRT_ROAD	-30	1.15	1.35	1.65	4.1	4.9	5.9	2.6	3.0	3.7
	Cloudy	95	10	50	DIRT_ROAD	-20	1.30	1.55	1.80	4.7	5.6	6.5	2.9	3.5	4.0
l	Cloudy	95	10	50	DIRT_ROAD	-15	1.40	1.65	1.90	5.0	5.9	6.8	3.1	3.7	4.3
ı	Cloudy	95	1,0	50	DIRT_ROAD	-10	1.50	1.75	2.00	5.4	6.3	7.2	3.4	3.9	4.5
ı	Cloudy	95	10	50	DIRT_ROAD	-5	1.60	1.85	2.10	5.8	6.7	7.6	3.6	4.1	4.7
	Cloudy	95	10	50	DIRT_ROAD	0	1.70	1.95	2.20	6.1	7.0	7.9	3.8	4.4	4.9
	Cloudy	95	10	50	DIRT_ROAD	5	1.20	1.45	1.70	4.3	5.2	6.1	2.7	3.2	3.8
ı	Cloudy	95	10	50	DIRT_ROAD	10	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
l	Cloudy	95	10	50	DIRT_ROAD	15	0.70	0.85	1.05	2.5	3.1	3.8	1.6	1.9	2.4
ı	Cloudy	95	10	50	DIRT_ROAD	20	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
	Cloudy	95	10	50	DIRT_ROAD	30	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
	Cloudy	95	10	50	DIRT_ROAD	40	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
	Cloudy	95	10	50	DIRT_ROAD	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
	Cloudy	95	10	50	LOOSE_SAND	-50	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
	Cloudy	95	10	50	LOOSE_SAND	-40	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
	Cloudy	95	10	50	LOOSE_SAND	-30	0.70	0.85	1.05	2.5	3.1	3.8	1.6	1.9	2.4
	Cloudy	95	10	50	LOOSE_SAND	-20	0.85	1.00	1.20	3.1	3.6	4.3	1.9	2.2	2.7
	Cloudy	95	10	50	LOOSE_SAND	-15	0.90	1.10	1.30	3.2	4.0	4.7	2.0	2.5	2.9
	Cloudy	95	10	50	LOOSE_SAND	-10	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
	Cloudy	95	10	50	LOOSE_SAND	-5	1.10	1.30	1.50	4.0	4.7	5.4	2.5	2.9	3.4
	Cloudy	95	10	50	LOOSE_SAND	0	1.20	1.40	1.60	4.3	5.0	5.8	2.7	3.1	3.6
	Cloudy	95	10	50	LOOSE_SAND	5	0.75	0.95	1.10	2.7	3.4	4.0	1.7	2.1	2.5
	Cloudy	95	10	50	LOOSE_SAND	10	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
	Cloudy	95	10	50	LOOSE_SAND	15	0.35	0.50	0.60	1.3	1.8	2.2	8.0	1.1	1.3
	Cloudy	95	10	50	LOOSE_SAND	20	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
	Cloudy	95	10	50	LOOSE_SAND	30	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
	Cloudy	95	10	50	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
	Cloudy	95	10	50	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table E-31. Maximum Sustainable Speed, Cloudy, 95% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	e Speed ond)		stainable meters/h	•		stainabl niles/hou	
						F	lsk Lev	el	F	Risk Leve	el	F	lsk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	95	15	59	BLACK_TOP	-50	0.85	1.10	1.25	3.1	4.0	4.5	1.9	2.5	2.8
Cloudy	95	15	59	BLACK_TOP	-40	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Cloudy	95	15	59	BLACK_TOP	-30	1.10	1.35	1.55	4.0	4.9	5.6	2.5	3.0	3.5
Cloudy	95	15	59	BLACK_TOP	-20	1.25	1.55	1.70	4.5	5.6	6.1	2.8	3.5	3.8
Cloudy	95	15	59	BLACK_TOP	-15	1.35	1.60	1.80	4.9	5.8	6.5	3.0	3.6	4.0
Cloudy	95	15	59	BLACK_TOP	-10	1.45	1.70	1.90	5.2	6.1	6.8	3.2	3.8	4.3
Cloudy	95	15	59	BLACK_TOP	-5	1.55	1.85	2.00	5.6	6.7	7.2	3.5	4.1	4.5
Cloudy	95	15	59	BLACK_TOP	0	1.65	1.95	2.10	5.9	7.0	7.6	3.7	4.4	4.7
Cloudy	95	15	59	BLACK_TOP	5	1.20	1.45	1.60	4.3	5.2	5.8	2.7	3.2	3.6
Cloudy	95	15	59	BLACK_TOP	10	0.85	1.10	1.25	3.1	4.0	4.5	1.9	2.5	2.8
Cloudy	95	15	59	BLACK_TOP	15	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
Cloudy	95	15	59	BLACK_TOP	20	0.55	0.70	0.80	2.0	2.5	2.9	1.2	1.6	1.8
Cloudy	95	15	59	BLACK_TOP	30	0.35	0.50	0.60	1.3	1.8	2.2	0.8	1.1	1.3
Cloudy	95	15	59	BLACK_TOP	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Cloudy	95	15	59	BLACK_TOP	50	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Cloudy	95	15	59	DIRT_ROAD	-50	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Cloudy	95	15	59	DIRT_ROAD	-40	0.90	1.15	1.30	3.2	4.1	4.7	2.0	2.6	2.9
Cloudy	95	15	59	DIRT_ROAD	-30	1.05	1.30	1.45	3.8	4.7	5.2	2.4	2.9	3.2
Cloudy	95	15	59	DIRT_ROAD	-20	1.20	1.45	1.60	4.3	5.2	5.8	2.7	3.2	3.6
Cloudy	95	15	59	DIRT_ROAD	-15	1.30	1.55	1.70	4.7	5.6	6.1	2.9	3.5	3.8
Cloudy	95	15	59	DIRT_ROAD	-10	1.35	1.65	1.80	4.9	5.9	6.5	3.0	3.7	4.0
Cloudy	95	15	59	DIRT_ROAD	-5	1.50	1.75	1.90	5.4	6.3	6.8	3.4	3.9	4.3
Cloudy	95	15	59	DIRT_ROAD	0	1.60	1.85	2.00	5.8	6.7	7.2	3.6	4.1	4.5
Cloudy	95	15	59	DIRT_ROAD	5	1.10	1.35	1.50	4.0	4.9	5.4	2.5	3.0	3.4
Cloudy	95	15	59	DIRT_ROAD	10	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Cloudy	95	15	59	DIRT_ROAD	15	0.60	0.80	0.90	2.2	2.9	3.2	1.3	1.8	2.0
•	95	15	59	DIRT_ROAD	20	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
Cloudy Cloudy	95	15	59	DIRT_ROAD	30	0.35	0.45	0.75	1.3	1.6	2.0	0.8	1.0	1.2
Cloudy	95	15	59	DIRT_ROAD	40	0.35	0.35	0.40	0.9	1.3	1.4	0.6	0.8	0.9
Cloudy	95	15	59	DIRT_ROAD	50	0.20	0.35	0.30	0.5	0.9	1.1	0.4	0.6	0.7
-	95	15	59	LOOSE_SAND	-50	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Cloudy Cloudy	95 95	15	59 59	LOOSE_SAND	-40	0.55	0.70	0.80	2.0	2.5	2.9	1.2	1.6	1.8
,	95 95	15	59	LOOSE_SAND	-30	0.65	0.80	0.90	2.3	2.9	3.2	1.5	1.8	2.0
Cloudy Cloudy	95 95	15	59 59	LOOSE_SAND	-20	0.75	0.95	1.05	2.7	3.4	3.8	1.7	2.1	2.4
-		15	59 59	LOOSE_SAND	-20 -15	0.75	1.05	1.15	3.1	3.8	4.1	1.7	2.4	2.6
Cloudy	95 05							1.15	3.4	4.0	4.1	2.1	2.5	2.8
Cloudy	95	15	59	LOOSE_SAND	-10	0.95	1.10	ŀ			t t		2.5	3.0
Cloudy	95	15	59	LOOSE_SAND	-5	1.05	1.20	1.35	3.8	4.3	4.9	2.4		
Cloudy	95	15	59	LOOSE_SAND	0	1.15	1.35	1.45	4.1	4.9	5.2	2.6	3.0	3.2
Cloudy	95	15	59	LOOSE_SAND	5	0.70	0.85	1.00	2.5	3.1	3.6	1.6	1.9	2.2
Cloudy	95	15	59	LOOSE_SAND	10	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Cloudy	95	15	59	LOOSE_SAND	15	0.35	0.45	0.50	1.3	1.6	1.8	0.8	1.0	1.1
Cloudy	95	15	59	LOOSE_SAND	20	0.25	0.35	0.40	0.9	1.3	1.4	0.6	0.8	0.9
Cloudy	95	15	59	LOOSE_SAND	30	0.15	0.25	0.25	0.5	0.9	0.9	0.3	0.6	0.6
Cloudy	95	15	59	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Cloudy	95	15	59	LOOSE_SAND	50	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3

Table E-32. Maximum Sustainable Speed, Cloudy, 95% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco			stainable meters/h		Max Su (n	stainabl	
						F	lisk Leve	əl	F	lisk Leve	el	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	95	20	68	BLACK_TOP	-50	0.75	0.90	1.00	2.7	3.2	3.6	1.7	2.0	2.2
Cloudy	95	20	68	BLACK_TOP	-40	0.85	1.00	1.15	3.1	3.6	4.1	1.9	2.2	2.6
Cloudy	95	20	68	BLACK_TOP	-30	1.00	1.15	1.30	3.6	4.1	4.7	2.2	2.6	2.9
Cloudy	95	20	68	BLACK_TOP	-20	1.15	1.30	1.45	4.1	4.7	5.2	2.6	2.9	3.2
Cloudy	95	20	68	BLACK_TOP	-15	1.25	1.40	1.55	4.5	5.0	5.6	2.8	3.1	3.5
Cloudy	95	20	68	BLACK_TOP	-10	1.35	1.50	1.65	4.9	5.4	5.9	3.0	3.4	3.7
Cloudy	95	20	68	BLACK_TOP	-5	1.45	1.60	1.75	5.2	5.8	6.3	3.2	3.6	3.9
Cloudy	95	20	68	BLACK_TOP	0	1.55	1.70	1.85	5.6	6.1	6.7	3.5	3.8	4.1
Cloudy	95	20	68	BLACK_TOP	5	1.05	1.20	1.35	3.8	4.3	4.9	2.4	2.7	3.0
Cloudy	95	20	68	BLACK_TOP	10	0.75	0.90	1.00	2.7	3.2	3.6	1.7	2.0	2.2
Cloudy	95	20	68	BLACK_TOP	15	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Cloudy	95	20	68	BLACK_TOP	20	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Cloudy	95	20	68	BLACK_TOP	30	0.30	0.40	0.45	1.1	1.4	1.6	0.7	0.9	1.0
Cloudy	95	20	68	BLACK_TOP	40	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Cloudy	95	20	68	BLACK_TOP	50	0.20	0.25	0.25	0.7	0.9	0.9	0.4	0.6	0.6
Cloudy	95	20	68	DIRT_ROAD	-50	0.70	0.85	0.95	2.5	3.1	3.4	1.6	1.9	2.1
Cloudy	95	20	68	DIRT_ROAD	-40	0.80	0.95	1.05	2.9	3.4	3.8	1.8	2.1	2.4
Cloudy	95	20	68	DIRT_ROAD	-30	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
Cloudy	95	20	68	DIRT_ROAD	-20	1.10	1.20	1.35	4.0	4.3	4.9	2.5	2.7	3.0
Cloudy	95	20	68	DIRT_ROAD	-15	1.15	1.30	1.45	4.1	4.7	5.2	2.6	2.9	3.2
Cloudy	95	20	68	DIRT_ROAD	-10	1.25	1.40	1.55	4.5	5.0	5.6	2.8	3.1	3.5
Cloudy	95	20	68	DIRT_ROAD	-5	1.35	1.50	1.65	4.9	5.4	5.9	3.0	3.4	3.7
Cloudy	95	20	68	DIRT_ROAD	0	1.50	1.60	1.75	5.4	5.8	6.3	3.4	3.6	3.9
Cloudy	95	20	68	DIRT_ROAD	5	1.00	1.15	1.30	3.6	4.1	4.7	2.2	2.6	2.9
•	95	20	68	DIRT_ROAD	10	0.70	0.85	0.95	2.5	3.1	3.4	1.6	1.9	2.1
Cloudy	95	20	68	DIRT_ROAD	15	0.55	0.65	0.75	2.0	2.3	2.7	1.2	1.5	1.7
Cloudy	95	20	68	DIRT_ROAD	20	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Cloudy		20	68	DIRT_ROAD	30	0.30	0.35	0.40	1.1	1.3	1.4	0.7	0.8	0.9
Cloudy	95 95	20	68	DIRT_ROAD	40	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Cloudy		20	68	DIRT_ROAD	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Cloudy	95		68	LOOSE_SAND	-50	0.40	0.50	0.55	1.4	1.8	2.0	0.9	1.1	1.2
Cloudy	95	20 20	68	LOOSE_SAND	-40	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Cloudy	95									2.3		1.2	1.5	1.7
Cloudy	95	20	68	LOOSE_SAND	-30	0.55	0.65 0.80	0.75 0.90	2.0	2.9	2.7 3.2	1.6	1.8	2.0
Cloudy	95	20	68	LOOSE_SAND	-20				2.7	3.1	3.4	1.7	1.9	2.1
Cloudy	95	20	68	LOOSE_SAND	-15	0.75	0.85	0. 9 5 1.05	3.1	3.4	3.8	1.9	2.1	2.4
Cloudy	95	20	68	LOOSE_SAND	-10	0.85	0.95		,				2.4	2.6
Cloudy	95	20	68	LOOSE_SAND	- 5	0.95	1.05	1.15	3.4	3.8	4.1	2.1	2.4	2.8
Cloudy	95	20	68	LOOSE_SAND	0	1.05	1.15	1.25	3.8	4.1	4.5	2.4		1.8
Cloudy	95	20	68	LOOSE_SAND	5	0.65	0.70	0.80	2.3	2.5	2.9	1.5	1.6	
Cloudy	95	20	68	LOOSE_SAND		0.40	0.50	0.55	1.4	1.8	2.0	0.9	1.1	1.2
Cloudy	95	20	68	LOOSE_SAND		0.30	0.35	0.40	1.1	1.3	1.4	0.7	0.8	0.9
Cloudy	95	20	68	LOOSE_SAND		0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Cloudy	95	20	68	LOOSE_SAND		0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Cloudy	95	20	68	LOOSE_SAND		0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Cloudy	95	20	68	LOOSE_SAND	50	0.10	0.10	0.10	0.4	0.4	0.4	0.2	0.2	0.2

Table E-33. Maximum Sustainable Speed, Cloudy, 95% Humidity, 25°C (77°F)

Γ	Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/f		(រា	niles/hou	
ı							F	lisk Leve	el	F	Risk Leve	el	F	Risk Leve	el
							Low	Mod	High	Low	Mod	High	Low	Mod	High
H	Cloudy	95	25	77	BLACK_TOP	-50	0.55	0.65	0.75	2.0	2.3	2.7	1.2	1.5	1.7
ı	Cloudy	95	25	77	BLACK_TOP	-40	0.65	0.70	0.85	2.3	2.5	3.1	1.5	1.6	1.9
ı	Cloudy	95	25	77	BLACK_TOP	-30	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
	Cloudy	95	25	77	BLACK_TOP	-20	0.90	1.00	1.15	3.2	3.6	4.1	2.0	2.2	2.6
1	Cloudy	95	25	77	BLACK_TOP	-15	1.00	1.05	1.20	3.6	3.8	4.3	2.2	2.4	2.7
l	Cloudy	95	25	77	BLACK_TOP	-10	1.10	1.15	1.30	4.0	4.1	4.7	2.5	2.6	2.9
ı	Cloudy	95	25	77	BLACK_TOP	-5	1.20	1.25	1.40	4.3	4.5	5.0	2.7	2.8	3.1
	Cloudy	95	25	77	BLACK_TOP	0	1.30	1.40	1.55	4.7	5.0	5.6	2.9	3.1	3.5
	Cloudy	95	25	77	BLACK_TOP	5	0.85	0.90	1.05	3.1	3.2	3.8	1.9	2.0	2.4
	Cloudy	95	25	77	BLACK_TOP	10	0.55	0.65	0.75	2.0	2.3	2.7	1.2	1.5	1.7
	Cloudy	95	25	77	BLACK_TOP	15	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
	Cloudy	95	25	77	BLACK_TOP	20	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
1	Cloudy	95	25	77	BLACK_TOP	30	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
ļ	Cloudy	95	25	77	BLACK_TOP	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
ı	Cloudy	95	25	77	BLACK_TOP	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
ı	Cloudy	95	25	77	DIRT_ROAD	-50	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
	Cloudy	95	25	77	DIRT_ROAD	-40	0.60	0.65	0.80	2.2	2.3	2.9	1.3	1.5	1.8
L	Cloudy	95	25	77	DIRT_ROAD	-30	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
ı	Cloudy	95	25	77	DIRT_ROAD	-20	0.85	0.90	1.05	3.1	3.2	3.8	1.9	2.0	2.4
ı	Cloudy	95	25	77	DIRT_ROAD	-15	0.95	1.00	1.15	3.4	3.6	4.1	2.1	2.2	2.6
ı	Cloudy	95	25	77	DIRT_ROAD	-10	1.00	1.10	1.25	3.6	4.0	4.5	2.2	2.5	2.8
ı	Cloudy	95	25	77	DIRT_ROAD	-5	1.10	1.20	1.35	4.0	4.3	4.9	2.5	2.7	3.0
l	Cloudy	95	25	77	DIRT_ROAD	0	1.25	1.30	1.45	4.5	4.7	5.2	2.8	2.9	3.2
l	Cloudy	95	25	77	DIRT_ROAD	5	0.80	0.85	1.00	2.9	3.1	3.6	1.8	1.9	2.2
l	Cloudy	95	25	77	DIRT_ROAD	10	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
l	Cloudy	95	25	77	DIRT_ROAD	15	0.40	0.45	0.50	1.4	1.6	1.8	0.9	1.0	1.1
ı	Cloudy	95	25	77	DIRT_ROAD	20	0.30	0.35	0.40	1.1	1.3	1.4	0.7	0.8	0.9
ı	Cloudy	95	25	77	DIRT_ROAD	30	0.20	0.20	0.30	0.7	0.7	1.1	0.4	0.4	0.7
l	Cloudy	95	25	77	DIRT_ROAD	40	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
	Cloudy	95	25	77	DIRT_ROAD	50	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
	Cloudy	95	25	77	LOOSE_SAND	-50	0.30	0.30	0.40	1.1	1.1	1.4	0.7	0.7	0.9
	Cloudy	95	25	77	LOOSE_SAND	-40	0.35	0.40	0.45	1.3	1.4	1.6	0.8	0.9	1.0
l	Cloudy	95	25	77	LOOSE_SAND	-30	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
	Cloudy	95	25	77	LOOSE_SAND	-20	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
ı	Cloudy	95	25	77	LOOSE_SAND	-15	0.60	0.65	0.75	2.2	2.3	2.7	1.3	1.5	1.7
ı	Cloudy	95	25	77	LOOSE_SAND	-10	0.70	0.75	0.85	2.5	2.7	3.1	1.6	1.7	1.9
	Cloudy	95	25	77	LOOSE_SAND	-5	0.80	0.85	0.95	2.9	3.1	3.4	1.8	1.9	2.1
	Cloudy	95	25	77	LOOSE_SAND	0	0.90	0.95	1.05	3.2	3.4	3.8	2.0	2.1	2.4
ı	Cloudy	95	25	77	LOOSE_SAND	5	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
	Cloudy	95	25	77	LOOSE_SAND	10	0.30	0.30	0.40	1.1	1.1	1.4	0.7	0.7	0.9
	Cloudy	95	25	77	LOOSE_SAND	15	0.20	0.20	0.30	0.7	0.7	1.1	0.4	0.4	0.7
	Cloudy	95	25	77	LOOSE_SAND	20	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
	Cloudy	95	25	77	LOOSE_SAND	30	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
	Cloudy	95	25	77	LOOSE_SAND	40	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
	Cloudy	95	25	77	LOOSE_SAND	50	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1

Table E-34. Maximum Sustainable Speed, Cloudy, 95% Humidity, 30°C (86°F)

	Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainable ters/seco	ond)	(kilo	meters/h	our)	(r	stainabl	ır)
ı							F	Risk Leve	əl	F	lisk Leve	əi	F	Risk Leve	al .
							Low	Mod	High	Low	Mod	High	Low	Mod	High
	Cloudy	95	30	86	BLACK_TOP	-50	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
	Cloudy	95	30	86	BLACK_TOP	-40	0.30	0.35	0.50	1.1	1.3	1.8	0.7	8.0	1.1
ı	Cloudy	95	30	86	BLACK_TOP	-30	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
	Cloudy	9 5	30	86	BLACK_TOP	-20	0.45	0.55	0.70	1.6	2.0	2.5	1.0	1.2	1.6
ı	Cloudy	95	30	86	BLACK_TOP	-15	0.55	0.60	0.80	2.0	2.2	2.9	1.2	1.3	1.8
ı	Cloudy	95	30	86	BLACK_TOP	-10	0.60	0.70	0.85	2.2	2.5	3.1	1.3	1.6	1.9
L	Cloudy	95	30	86	BLACK_TOP	-5	0.70	0.80	0.95	2.5	2.9	3.4	1.6	1.8	2.1
l	Cloudy	95	30	86	BLACK_TOP	0	0.80	0.90	1.10	2.9	3.2	4.0	1.8	2.0	2.5
L	Cloudy	95	30	86	BLACK_TOP	5	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
	Cloudy	95	30	86	BLACK_TOP	10	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
ı	Cloudy	95	30	86	BLACK_TOP	15	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
	Cloudy	95	30	86	BLACK_TOP	20	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
ı	Cloudy	95	30	86	BLACK_TOP	30	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
ı	Cloudy	95	30	86	BLACK_TOP	40	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
1	Cloudy	95	30	86	BLACK_TOP	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
	Cloudy	95	30	86	DIRT_ROAD	-50	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
	Cloudy	9 5	30	86	DIRT_ROAD	-40	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
ı	Cloudy	95	30	86	DIRT_ROAD	-30	0.35	0.40	0.55	1.3	1.4	2.0	0.8	0.9	1.2
	Cloudy	95	30	86	DIRT_ROAD	-20	0.45	0.50	0.65	1.6	1.8	2.3	1.0	1.1	1.5
ı	Cloudy	95	30	86	DIRT_ROAD	-15	0.50	0.55	0.75	1.8	2.0	2.7	1.1	1.2	1.7
	Cloudy	95	30	86	DIRT_ROAD	-10	0.55	0.65	0.80	2.0	2.3	2.9	1.2	1.5	1.8
1	Cloudy	95	30	86	DIRT_ROAD	-5	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
L	Cloudy	95	30	86	DIRT_ROAD	0	0.75	0.85	1.05	2.7	3.1	3.8	1.7	1.9	2.4
١	Cloudy	9 5	30	86	DIRT_ROAD	5	0.40	0.45	0.60	1.4	1.6	2.2	0.9	1.0	1.3
	Cloudy	95	30	86	DIRT_ROAD	10	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
	Cloudy	95	30	86	DIRT_ROAD	15	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
ı	Cloudy	95	30	86	DIRT_ROAD	20	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
١	Cloudy	95	30	86	DIRT_ROAD	30	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
1	Cloudy	95	30	86	DIRT_ROAD	40	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
1	Cloudy	95	30	86	DIRT_ROAD	50	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1
ı	Cloudy	95	30	86	LOOSE_SAND	-50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
ı	Cloudy	95	30	86	LOOSE_SAND	-40	0.15	0.15	0.25	0.5	0.5	0.9	0.3	0.3	0.6
l	Cloudy	95	30	86	LOOSE_SAND	-30	0.20	0.20	0.30	0.7	0.7	1.1	0.4	0.4	0.7
ı	Cloudy	95	30	86	LOOSE_SAND	-20	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
ı	Cloudy	95	30	86	LOOSE_SAND	-15	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
ŀ	Cloudy	95	30	86	LOOSE_SAND	-10	0.35	0.40	0.55	1.3	1.4	2.0	0.8	0.9	1.2
ŀ	Cloudy	95	30	86	LOOSE_SAND	-5	0.45	0.50	0.65	1.6	1.8	2.3	1.0	1.1	1.5
ŀ	Cloudy	95	30	86	LOOSE_SAND	0	0.55	0.60	0.75	2.0	2.2	2.7	1.2	1.3	1.7
	Cloudy	95	30	86	LOOSE_SAND	5	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
	Cloudy	95	30	86	LOOSE_SAND	10	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
ı	Cloudy	95	30	86	LOOSE_SAND	15	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
	Cloudy	95	30	86	LOOSE_SAND	20	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
ı	Cloudy	95	30	86	LOOSE_SAND	30	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1
	Cloudy	95	30	86	LOOSE_SAND	40	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
	Cloudy	9 5	30	86	LOOSE_SAND	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0

Table E-35. Maximum Sustainable Speed, Cloudy, 95% Humidity, 35°C (95°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec		Max Su (kilo	stainabl meters/l			stainabl niles/hou	
						F	lisk Lev	el	F	isk Leve	el	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Cloudy	95	35	95	BLACK_TOP	-50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	BLACK_TOP	-40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	BLACK_TOP	-30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	BLACK_TOP	-20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	BLACK_TOP	-15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	BLACK_TOP	-10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	BLACK_TOP	-5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	BLACK_TOP	0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	BLACK_TOP	5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	9 5	BLACK_TOP	10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	BLACK_TOP	15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	BLACK_TOP	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	BLACK_TOP	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	BLACK_TOP	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	BLACK_TOP	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	-50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	-40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	-30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	-20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	-15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	-10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	-5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	DIRT_ROAD	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	LOOSE_SAND	-50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	LOOSE_SAND	-40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	LOOSE_SAND	-30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	LOOSE_SAND	-20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	LOOSE_SAND	-15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	LOOSE_SAND	-10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	LOOSE_SAND	-5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	LOOSE_SAND	0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	LOOSE_SAND	5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	LOOSE_SAND	10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	9 5	35	95	LOOSE_SAND	15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	9 5	35	95	LOOSE_SAND	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	LOOSE_SAND	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	LOOSE_SAND	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Cloudy	95	35	95	LOOSE_SAND	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0

Appendix F

Maximum Sustainable Speed Tables, Night

Table F-1. Maximum Sustainable Speed, Night, 5% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec			stainable meters/h			stainabl	
						F	lisk Lev	ei	F	lisk Leve	el	ı	Risk Leve	ei
						Low	Mod	High	Low	Mod	High	Low	Mod	Hìgh
Night	5	5	41	BLACK_TOP	-50	1.10	1.35	1.60	4.0	4.9	5.8	2.5	3.0	3.6
Night	5	5	41	BLACK_TOP	-40	1.20	1.50	1.75	4.3	5.4	6.3	2.7	3.4	3.9
Night	5	5	41	BLACK_TOP	-30	1.35	1.65	1.90	4.9	5.9	6.8	3.0	3.7	4.3
Night	5	5	41	BLACK_TOP	-20	1.50	1.80	2.10	5.4	6.5	7.6	3.4	4.0	4.7
Night	5	5	41	BLACK_TOP	-15	1.60	1.90	2.20	5.8	6.8	7.9	3.6	4.3	4.9
Night	5	5	41	BLACK_TOP	-10	1.70	2.00	2.30	6.1	7.2	8.3	3.8	4.5	5.2
Night	5	5	41	BLACK_TOP	-5	1.80	2.10	2.40	6.5	7.6	8.6	4.0	4.7	5.4
Night	5	5	41	BLACK_TOP	0	1.90	2.25	2.50	6.8	8.1	9.0	4.3	5.0	5.6
Night	5	5	41	BLACK_TOP	5	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Night	5	5	41	BLACK_TOP	10	1.10	1.35	1.60	4.0	4.9	5.8	2.5	3.0	3.6
Night	5	5	41	BLACK_TOP	15	0.85	1.10	1.30	3.1	4.0	4.7	1.9	2.5	2.9
Night	5	5	41	BLACK_TOP	20	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Night	5	5	41	BLACK_TOP	30	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Night	5	5	41	BLACK_TOP	40	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Night	5	5	41	BLACK_TOP	50	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
-	5	5	41	DIRT_ROAD	-50	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Night		5	41	DIRT_ROAD	-40	1.10	1.40	1.65	4.0	5.0	5.9	2.5	3.1	3.7
Night	5		41	DIRT_ROAD	-30	1.25	1.55	1.80	4.5	5.6	6.5	2.8	3.5	4.0
Night	5	5		DIRT_ROAD		1.40		2.00	5.0	6.1	7.2	3.1	3.8	4.5
Night	5	5	41		-20		1.70				7.2 7.6	3.4	3.8 4.0	4.5 4.7
Night	5	5	41	DIRT_ROAD	-15	1.50	1.80	2.10	5.4	6.5	7.9		4.3	4.7
Night	5	5	41	DIRT_ROAD	-10	1.60	1.90	2.20	5.8	6.8		3.6		4.9 5.2
Night	5	5	41	DIRT_ROAD	-5	1.70	2.00	2.30	6.1	7.2 7.7	8.3 8.6	3.8 4.1	4.5 4.8	5.2 5.4
Night	5	5	41	DIRT_ROAD	0	1.85	2.15	2.40	6.7	7.7 5.8		1	4.6 3.6	4.3
Night	5	5	41	DIRT_ROAD	5	1.35	1.60	1.90	4.9		6.8	3.0		
Night	5	5	41	DIRT_ROAD	10	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Night	5	5	41	DIRT_ROAD	15	0.75	1.00	1.20	2.7	3.6	4.3	1.7	2.2	2.7 2.2
Night	5	5	41	DIRT_ROAD	20	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	
Night	5	5	41	DIRT_ROAD	30	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Night	5	5	41	DIRT_ROAD	40	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Night	5	5	41	DIRT_ROAD	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Night	5	5	41	LOOSE_SAND	-50	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Night	5	5	41	LOOSE_SAND	-40	0.70	0.85	1.05	2.5	3.1	3.8	1.6	1.9	2.4
Night	5	5	41	LOOSE_SAND	-30	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Night	5	5	41	LOOSE_SAND	-20	0.95	1.15	1.35	3.4	4.1	4.9	2.1	2.6	3.0
Night	5	5	41	LOOSE_SAND	-15	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Night	5	5	41	LOOSE_SAND	-10	1.10	1.30	1.50	4.0	4.7	5.4	2.5	2.9	3.4
Night	5	5	41	LOOSE_SAND	-5	1.20	1.40	1.60	4.3	5.0	5.8	2.7	3.1	3.6
Night	5	5	41	LOOSE_SAND	0	1.30	1.55	1.75	4.7	5.6	6.3	2.9	3.5	3.9
Night	5	5	41	LOOSE_SAND	5	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Night	5	5	41	LOOSE_SAND	10	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Night	5	5	41	LOOSE_SAND	15	0.45	0.55	0.70	1.6	2.0	2.5	1.0	1.2	1.6
Night	5	5	41	LOOSE_SAND	20	0.35	0.45	0.55	1.3	1.6	2.0	8.0	1.0	1.2
Night	5	5	41	LOOSE_SAND	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	5	5	41	LOOSE_SAND	40	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Night	5	5	41	LOOSE_SAND	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6

Table F-2. Maximum Sustainable Speed, Night, 5% Humidity, 10°C (50°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec			stainable meters/f		Max Su (n	stainabl niles/hor	
						F	Risk Leve	əl	F	lsk Leve	el	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	5	10	50	BLACK_TOP	-50	1.05	1.25	1.60	3.8	4.5	5.8	2.4	2.8	3.6
Night	5	10	50	BLACK_TOP	-40	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Night	5	10	50	BLACK_TOP	-30	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Night	5	10	50	BLACK_TOP	-20	1.45	1.75	2.10	5.2	6.3	7.6	3.2	3.9	4.7
Night	5	10	50	BLACK_TOP	-15	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Night	5	10	50	BLACK_TOP	-10	1.65	1.95	2.30	5.9	7.0	8.3	3.7	4.4	5.2
Night	5	10	50	BLACK_TOP	-5	1.75	2.05	2.40	6.3	7.4	8.6	3.9	4.6	5.4
Night	5	10	50	BLACK_TOP	0	1.85	2.15	2.50	6.7	7.7	9.0	4.1	4.8	5.6
Night	5	10	50	BLACK_TOP	5	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Night	5	10	50	BLACK_TOP	10	1.05	1.25	1.60	3.8	4.5	5.8	2.4	2.8	3.6
Night	5	10	50	BLACK_TOP	15	0.80	1.00	1.30	2.9	3.6	4.7	1.8	2.2	2.9
Night	5	10	50	BLACK_TOP	20	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Night	5	10	50	BLACK_TOP	30	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Night	5	10	50	BLACK_TOP	40	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Night	5	10	50	BLACK_TOP	50	0.30	0.35	0.50	1.1	1.3	1.8	0.7	0.8	1.1
Night	5	10	50	DIRT_ROAD	-50	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Night	5	10	50	DIRT_ROAD	-40	1.10	1.30	1.65	4.0	4.7	5.9	2.5	2.9	3.7
Night	5	10	50	DIRT_ROAD	-30	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Night	5	10	50	DIRT_ROAD	-20	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Night	5	10	50	DIRT_ROAD	-15	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Night	5	10	50	DIRT_ROAD	-10	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Night	5	10	50	DIRT_ROAD	-5	1.65	1.95	2.30	5.9	7.0	8.3	3.7	4.4	5.2
Night	5	10	50	DIRT_ROAD	0	1.80	2.05	2.40	6.5	7.4	8.6	4.0	4.6	5.4
Night	5	10	50	DIRT_ROAD	5	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Night	5	10	50	DIRT_ROAD	10	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
-	5	10	50	DIRT_ROAD	15	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Night	5	10	50	DIRT_ROAD	20	0.60	0.75	1.00	2.2	2.7	3.6	1.3	1.7	2.2
Night	5	10	50	DIRT_ROAD	30	0.40	0.75	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Night	5	10	50	DIRT_ROAD	40	0.30	0.40	0.75	1.1	1.4	2.0	0.9	0.9	1.2
Night	5	10	50	DIRT_ROAD	50	0.30	0.40	0.35	0.9	1.3	1.6	0.7	0.8	1.0
Night	5	10	50	LOOSE_SAND	-50	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Night	5	10	50	LOOSE_SAND	-40	0.65	0.80	1.05	2.3	2.9	3.8	1.5	1.8	2.4
Night Night		10	50	LOOSE_SAND	-30	0.05	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.4
Night	5	10	50	LOOSE_SAND	-20	0.75	1.10	1.35	3.2	4.0	4.1	2.0	2.5	3.0
Night	5					1		1.40			5.0		2.5	
Night	5	10	50	LOOSE_SAND	-15	1.00	1.15		3.6	4.1	5.0 5.4	2.2		3.1
Night	5	10	50	LOOSE_SAND	-10	1.05	1.25	1.50	3.8	4.5		2.4	2.8	3.4
Night	5	10	50	LOOSE_SAND	-5	1.15	1.35	1.60	4.1	4.9	5.8	2.6	3.0	3.6
Night	5	10	50	LOOSE_SAND	0	1.30	1.45	1.75	4.7	5.2	6.3	2.9	3.2	3.9
Night	5	10	50	LOOSE_SAND	5	0.85	1.00	1.25	3.1	3.6	4.5	1.9	2.2	2.8
Night	5	10	50	LOOSE_SAND	10	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Night	5	10	50	LOOSE_SAND	15	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Night	5	10	50	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Night	5	10	50	LOOSE_SAND	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	5	10	50	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Night	5	10	50	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table F-3. Maximum Sustainable Speed, Night, 5% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco		(kilo	stainable meters/h	our)	(п	stainabl	Jr)
						F	lisk Leve	əl	F	Risk Leve	el	F	Risk Lev	əl 💮
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	5	15	59	BLACK_TOP	-50	0.95	1.20	1.60	3.4	4.3	5.8	2.1	2.7	3.6
Night	5	15	59	BLACK_TOP	-40	1.10	1.30	1.75	4.0	4.7	6.3	2.5	2.9	3.9
Night	5	15	59	BLACK_TOP	-30	1.20	1.45	1.90	4.3	5.2	6.8	2.7	3.2	4.3
Night	5	15	59	BLACK_TOP	-20	1.40	1.65	2.10	5.0	5.9	7.6	3.1	3.7	4.7
Night	5	15	59	BLACK_TOP	-15	1.45	1.75	2.20	5.2	6.3	7.9	3.2	3.9	4.9
Night	5	15	59	BLACK_TOP	-10	1.55	1.85	2.30	5.6	6.7	8.3	3.5	4.1	5.2
Night	5	15	59	BLACK_TOP	-5	1.65	1.95	2.40	5.9	7.0	8.6	3.7	4.4	5.4
Night	5	15	59	BLACK_TOP	0	1.80	2.05	2.50	6.5	7.4	9.0	4.0	4.6	5.6
Night	5	15	59	BLACK_TOP	5	1.30	1.55	2.00	4.7	5.6	7.2	2.9	3.5	4.5
Night	5	15	59	BLACK_TOP	10	0.95	1.20	1.60	3.4	4.3	5.8	2.1	2.7	3.6
Night	5	15	59	BLACK_TOP	15	0.75	0.95	1.30	2.7	3.4	4.7	1.7	2.1	2.9
Night	5	15	59	BLACK_TOP	20	0.60	0.75	1.10	2.2	2.7	4.0	1.3	1.7	2.5
Night	5	15	59	BLACK_TOP	30	0.40	0.55	0.80	1.4	2.0	2.9	0.9	1.2	1.8
Night	5	15	59	BLACK_TOP	40	0.30	0.40	0.65	1.1	1.4	2.3	0.7	0.9	1.5
Night	5	15	59	BLACK_TOP	50	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Night	5	15	59	DIRT_ROAD	-50	0.90	1.10	1.50	3.2	4.0	5.4	2.0	2.5	3.4
Night	5	15	59	DIRT_ROAD	-40	1.00	1.25	1.65	3.6	4.5	5.9	2.2	2.8	3.7
Night	5	15	59	DIRT_ROAD	-30	1.15	1.40	1.80	4.1	5.0	6.5	2.6	3.1	4.0
Night	5	15	59	DIRT_ROAD	-20	1.30	1.55	2.00	4.7	5.6	7.2	2.9	3.5	4.5
Night	5	15	59	DIRT_ROAD	-15	1.40	1.65	2.10	5.0	5.9	7.6	3.1	3.7	4.7
Night	5	15	59	DIRT_ROAD	-10	1.50	1.75	2.20	5.4	6.3	7.9	3.4	3.9	4.9
Night	5	15	59	DIRT_ROAD	-5	1.60	1.85	2.30	5.8	6.7	8.3	3.6	4.1	5.2
Night	5	15	59	DIRT_ROAD	0	1.70	1.95	2.40	6.1	7.0	8.6	3.8	4.4	5.4
Night	5	15	59	DIRT_ROAD	5	1.20	1.45	1.90	4.3	5.2	6.8	2.7	3.2	4.3
Night	5	15	59	DIRT_ROAD	10	0.90	1.10	1.50	3.2	4.0	5.4	2.0	2.5	3.4
Night	5	15	59	DIRT_ROAD	15	0.70	0.85	1.20	2.5	3.1	4.3	1.6	1.9	2.7
Night	5	15	59	DIRT_ROAD	20	0.55	0.70	1.00	2.0	2.5	3.6	1.2	1.6	2.2
Night	5	15	59	DIRT_ROAD	30	0.40	0.50	0.75	1.4	1.8	2.7	0.9	1.1	1.7
Night	5	15	59	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Night	5	15	59	DIRT_ROAD	50	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Night	5	15	59	LOOSE_SAND	-50	0.50	0.65	0.90	1.8	2.3	3.2	1.1	1.5	2.0
Night	5	15	59	LOOSE_SAND	-40	0.60	0.75	1.05	2.2	2.7	3.8	1.3	1.7	2.4
Night	5	15	59	LOOSE_SAND	-30	0.70	0.85	1.15	2.5	3.1	4.1	1.6	1.9	2.6
Night	5	15	59	LOOSE_SAND	-20	0.85	1.00	1.35	3.1	3.6	4.9	1.9	2.2	3.0
Night	5	15	59	LOOSE_SAND	-15	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Night	5	15	59	LOOSE_SAND	-10	1.00	1.20	1.50	3.6	4.3	5.4	2.2	2.7	3.4
Night	5	15	59	LOOSE_SAND	-5	1.10	1.30	1.60	4.0	4.7	5.8	2.5	2.9	3.6
Night	5	15	59	LOOSE_SAND	0	1.20	1.40	1.75	4.3	5.0	6.3	2.7	3.1	3.9
Night	5	15	59	LOOSE_SAND	5	0.75	0.95	1.25	2.7	3.4	4.5	1.7	2.1	2.8
Night	5	15	59	LOOSE_SAND	10	0.50	0.65	0.90	1.8	2.3	3.2	1.1	1.5	2.0
Night	5	15	59	LOOSE_SAND	15	0.35	0.50	0.70	1.3	1.8	2.5	0.8	1.1	1.6
Night	5	15	59	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Night	5	15	59	LOOSE_SAND	30	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Night	5	15	59	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Night	5	15	59	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table F-4. Maximum Sustainable Speed, Night, 5% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/h		Max Su (n	stainabl	
						F	Risk Leve	əl	F	lisk Leve	əl	F	Risk Leve	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	5	20	68	BLACK_TOP	-50	0.90	1.10	1.50	3.2	4.0	5.4	2.0	2.5	3.4
Night	5	20	68	BLACK_TOP	-40	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Night	5	20	68	BLACK_TOP	-30	1.15	1.40	1.80	4.1	5.0	6.5	2.6	3.1	4.0
Night	5	20	68	BLACK_TOP	-20	1.30	1.55	1.95	4.7	5.6	7.0	2.9	3.5	4.4
Night	5	20	68	BLACK_TOP	-15	1.35	1.65	2.05	4.9	5.9	7.4	3.0	3.7	4.6
Night	5	20	68	BLACK_TOP	-10	1.45	1.75	2.15	5.2	6.3	7.7	3.2	3.9	4.8
Night	5	20	68	BLACK_TOP	-5	1.60	1.85	2.25	5.8	6.7	8.1	3.6	4.1	5.0
Night	5	20	68	BLACK_TOP	0	1.70	1.95	2.40	6.1	7.0	8.6	3.8	4.4	5.4
Night	5	20	68	BLACK_TOP	5	1.20	1.45	1.85	4.3	5.2	6.7	2.7	3.2	4.1
Night	5	20	68	BLACK_TOP	10	0.90	1.10	1.50	3.2	4.0	5.4	2.0	2.5	3.4
Night	5	20	68	BLACK_TOP	15	0.65	0.90	1.20	2.3	3.2	4.3	1.5	2.0	2.7
Night	5	20	68	BLACK_TOP	20	0.55	0.70	1.00	2.0	2.5	3.6	1.2	1.6	2.2
Night	5	20	68	BLACK_TOP	30	0.35	0.50	0.70	1.3	1.8	2.5	0.8	1.1	1.6
Night	5	20	68	BLACK_TOP	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Night	5	20	68	BLACK_TOP	50	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Night	5	20	68	DIRT_ROAD	-50	0.80	1.05	1.40	2.9	3.8	5.0	1.8	2.4	3.1
Night	5	20	68	DIRT_ROAD	-40	0.90	1.15	1.50	3.2	4.1	5.4	2.0	2.6	3.4
Night	5	20	68	DIRT_ROAD	-30	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
_	5	20	68	DIRT_ROAD	-20	1.20	1.45	1.85	4.3	5.2	6.7	2.7	3.2	4.1
Night		20	68	DIRT_ROAD	-15	1.30	1.55	1.95	4.7	5.6	7.0	2.9	3.5	4.4
Night	5			DIRT_ROAD			1.65	2.05	1	5.9	7.4	3.1	3.7	4.6
Night	5	20	68	_	-10	1.40			5.0			1		
Night	5	20	68	DIRT_ROAD	-5	1.50	1.75	2.15	5.4	6.3	7.7	3.4	3.9	4.8
Night	5	20	68	DIRT_ROAD	0	1.60	1.85	2.25	5.8	6.7	8.1	3.6	4.1	5.0
Night	5	20	68	DIRT_ROAD	5	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Night	5	20	68	DIRT_ROAD	10	0.80	1.05	1.40	2.9	3.8	5.0	1.8	2.4	3.1
Night	5	20	68	DIRT_ROAD	15	0.60	0.80	1.10	2.2	2.9	4.0	1.3	1.8	2.5 2.0
Night	5	20	68	DIRT_ROAD	20	0.50	0.65	0.90	1.8	2.3	3.2	1.1	1.5	
Night	5	20	68	DIRT_ROAD	30	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Night	5	20	68	DIRT_ROAD	40	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Night	5	20	68	DIRT_ROAD	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	5	20	68	LOOSE_SAND	-50	0.45	0.60	0.85	1.6	2.2	3.1	1.0	1.3	1.9
Night	5	20	68	LOOSE_SAND	-40	0.55	0.70	0.95	2.0	2.5	3.4	1.2	1.6	2.1
Night	5	20	68	LOOSE_SAND	-30	0.65	0.80	1.10	2.3	2.9	4.0	1.5	1.8	2.5
Night	5	20	68	LOOSE_SAND	-20	0.80	0.95	1.25	2.9	3.4	4.5	1.8	2.1	2.8
Night	5	20	68	LOOSE_SAND	-15	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Night	5	20	68	LOOSE_SAND	-10	0.95	1.15	1.40	3.4	4.1	5.0	2.1	2.6	3.1
Night	5	20	68	LOOSE_SAND	-5	1.05	1.25	1.50	3.8	4.5	5.4	2.4	2.8	3.4
Night	5	20	68	LOOSE_SAND	0	1.15	1.35	1.65	4.1	4.9	5.9	2.6	3.0	3.7
Night	5	20	68	LOOSE_SAND	5	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Night	5	20	68	LOOSE_SAND	10	0.45	0.60	0.85	1.6	2.2	3.1	1.0	1.3	1.9
Night	5	20	68	LOOSE_SAND	15	0.35	0.45	0.65	1.3	1.6	2.3	8.0	1.0	1.5
Night	5	20	68	LOOSE_SAND	20	0.25	0.35	0.50	0.9	1.3	1.8	0.6	8.0	1.1
Night	5	20	68	LOOSE_SAND	30	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Night	5	20	68	LOOSE_SAND	40	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Night	5	20	68	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table F-5. Maximum Sustainable Speed, Night, 5% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	ters/sec	ond)	(kilo	stainable meters/f	iour)	(r	stainabl	ır)
						F	lisk Leve	ol .	F	Risk Leve	əl		Risk Leve	el .
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	5	25	77	BLACK_TOP	-50	0.80	1.05	1.35	2.9	3.8	4.9	1.8	2.4	3.0
Night	5	25	77	BLACK_TOP	-40	0.90	1.15	1.50	3.2	4.1	5.4	2.0	2.6	3.4
Night	5	25	77	BLACK_TOP	-30	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
Night	5	25	77	BLACK_TOP	-20	1.20	1.45	1.85	4.3	5.2	6.7	2.7	3.2	4.1
Night	5	25	77	BLACK_TOP	-15	1.30	1.55	1.95	4.7	5.6	7.0	2.9	3.5	4.4
Night	5	25	77	BLACK_TOP	-10	1.35	1.65	2.05	4.9	5.9	7.4	3.0	3.7	4.6
Night	5	25	77	BLACK_TOP	-5	1.50	1.75	2.15	5.4	6.3	7.7	3.4	3.9	4.8
Night	5	25	77	BLACK_TOP	0	1.60	1.85	2.25	5.8	6.7	8.1	3.6	4.1	5.0
Night	5	25	77	BLACK_TOP	5	1.10	1.40	1.75	4.0	5.0	6.3	2.5	3.1	3.9
Night	5	25	77	BLACK_TOP	10	0.80	1.05	1.35	2.9	3.8	4.9	1.8	2.4	3.0
Night	5	25	77	BLACK_TOP	15	0.60	0.80	1.10	2.2	2.9	4.0	1.3	1.8	2.5
Night	5	25	77	BLACK_TOP	20	0.50	0.65	0.90	1.8	2.3	3.2	1.1	1.5	2.0
Night	5	25	77	BLACK_TOP	30	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Night	5	25	77	BLACK_TOP	40	0.25	0.35	0.50	0.9	1.3	1.8	0.6	8.0	1.1
Night	5	25	77	BLACK_TOP	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	5	25	77	DIRT_ROAD	-50	0.75	0.95	1.25	2.7	3.4	4.5	1.7	2.1	2.8
Night	5	25	77	DIRT_ROAD	-40	0.85	1.10	1.40	3.1	4.0	5.0	1.9	2.5	3.1
Night	5	25	77	DIRT_ROAD	-30	0.95	1.20	1.55	3.4	4.3	5.6	2.1	2.7	3.5
Night	5	25	77	DIRT_ROAD	-20	1.10	1.40	1.75	4.0	5.0	6.3	2.5	3.1	3.9
Night	5	25	77	DIRT_ROAD	-15	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Night	5	25	77	DIRT_ROAD	-10	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Night	5	25	77	DIRT_ROAD	-5	1.40	1.65	2.05	5.0	5.9	7.4	3.1	3.7	4.6
Night	5	25	77	DIRT_ROAD	0	1.50	1.80	2.15	5.4	6.5	7.7	3.4	4.0	4.8
Night	5	25	77	DIRT_ROAD	5	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
Night	5	25	77	DIRT_ROAD	10	0.75	0.95	1.25	2.7	3.4	4.5	1.7	2.1	2.8
Night	5	25	77	DIRT_ROAD	15	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Night	5	25	77	DIRT_ROAD	20	0.45	0.60	0.85	1.6	2.2	3.1	1.0	1.3	1.9
Night	5	25	77	DIRT_ROAD	30	0.30	0.40	0.60	1.1	1.4	2.2	0.7	0.9	1.3
Night	5	25	77	DIRT_ROAD	40	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Night	5	25	77	DIRT_ROAD	50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Night	5	25	77	LOOSE_SAND	-50	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Night	5	25	77	LOOSE_SAND	-40	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Night	5	25	77	LOOSE_SAND	-30	0.60	0.75	1.00	2.2	2.7	3.6	1.3	1.7	2.2
Night	5	25	77	LOOSE_SAND	-20	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Night	5	25	77	LOOSE_SAND	-15	0.80	1.00	1.25	2.9	3.6	4.5	1.8	2.2	2.8
Night	5	25	77	LOOSE_SAND	-10	0.90	1.05	1.35	3.2	3.8	4.9	2.0	2.4	3.0
Night	5	25	77	LOOSE_SAND	-5	1.00	1.15	1.45	3.6	4.1	5.2	2.2	2.6	3.2
Night	5	25	77	LOOSE_SAND	0	1.10	1.30	1.55	4.0	4.7	5.6	2.5	2.9	3.5
Night	5	25	77	LOOSE_SAND	5	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Night	5	25	77	LOOSE_SAND	10	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Night	5	25	77	LOOSE_SAND	15	0.30	0.40	0.60	1.1	1.4	2.2	0.7	0.9	1.3
Night	5	25	77	LOOSE_SAND	20	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Night	5	25	77	LOOSE_SAND	30	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Night	5	25	77	LOOSE_SAND	40	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Night	5	25	77	LOOSE_SAND	50	0.10	0.10	0.20	0.4	0.4	0.7	0.2	0.2	0.4

Table F-6. Maximum Sustainable Speed, Night, 5% Humidity, 30°C (86°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainable ters/seco	ond)	(kilo	stainable meters/h	our)	(г	stainable	ır)
						F	Risk Leve	el	F	Risk Leve	əl	•	Risk Leve	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	5	30	86	BLACK_TOP	-50	0.70	0.95	1.25	2.5	3.4	4.5	1.6	2.1	2.8
Night	5	30	86	BLACK_TOP	-40	0.80	1.05	1.40	2.9	3.8	5.0	1.8	2.4	3.1
Night	5	30	86	BLACK_TOP	-30	0.95	1.20	1.55	3.4	4.3	5.6	2.1	2.7	3.5
Night	5	30	86	BLACK_TOP	-20	1.10	1.35	1.70	4.0	4.9	6.1	2.5	3.0	3.8
Night	5	30	86	BLACK_TOP	-15	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Night	5	30	86	BLACK_TOP	-10	1.25	1.55	1.90	4.5	5.6	6.8	2.8	3.5	4.3
Night	5	30	86	BLACK_TOP	-5	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Night	5	30	86	BLACK_TOP	0	1.50	1.80	2.10	5.4	6.5	7.6	3.4	4.0	4.7
Night	5	30	86	BLACK_TOP	5	1.00	1.30	1.60	3.6	4.7	5.8	2.2	2.9	3.6
Night	5	30	86	BLACK_TOP	10	0.70	0.95	1.25	2.5	3.4	4.5	1.6	2.1	2.8
Night	5	30	86	BLACK_TOP	15	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Night	5	30	86	BLACK_TOP	20	0.40	0.60	0.80	1.4	2.2	2.9	0.9	1.3	1.8
Night	5	30	86	BLACK_TOP	30	0.30	0.40	0.60	1.1	1.4	2.2	0.7	0.9	1.3
Night	5	30	86	BLACK_TOP	40	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Night	5	30	86	BLACK_TOP	50	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Night	5	30	86	DIRT_ROAD	-50	0.65	0.90	1.15	2.3	3.2	4.1	1.5	2.0	2.6
Night	5	30	86	DIRT_ROAD	-40	0.75	1.00	1.30	2.7	3.6	4.7	1.7	2.2	2.9
Night	5	30	86	DIRT_ROAD	-30	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Night	5	30	86	DIRT_ROAD	-20	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Night	5	30	86	DIRT_ROAD	-15	1.10	1.40	1.70	4.0	5.0	6.1	2.5	3.1	3.8
Night	5	30	86	DIRT_ROAD	-10	1.20	1.50	1.80	4.3	5.4	6.5	2.7	3.4	4.0
Night	5	30	86	DIRT_ROAD	-5	1.30	1.60	1.90	4.7	5.8	6.8	2.9	3.6	4.3
Night	5	30	86	DIRT_ROAD	0	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Night	5	30	86	DIRT_ROAD	5	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Night	5	30	86	DIRT_ROAD	10	0.65	0.90	1.15	2.3	3.2	4.1	1.5	2.0	2.6
Night	5	30	86	DIRT_ROAD	15	0.50	0.70	0.90	1.8	2.5	3.2	1.1	1.6	2.0
Night	5	30	86	DIRT_ROAD	20	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Night	5	30	86	DIRT_ROAD	30	0.25	0.35	0.55	0.9	1.3	2.0	0.6	8.0	1.2
Night	5	30	86	DIRT_ROAD	40	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	5	30	86	DIRT_ROAD	50	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Night	5	30	86	LOOSE_SAND	-50	0.35	0.50	0.70	1.3	1.8	2.5	0.8	1.1	1.6
Night	5	30	86	LOOSE_SAND	-40	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Night	5	30	86	LOOSE_SAND	-30	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Night	5	30	86	LOOSE_SAND	-20	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Night	5	30	86	LOOSE_SAND	-15	0.75	0.90	1.15	2.7	3.2	4.1	1.7	2.0	2.6
Night	5	30	86	LOOSE_SAND	-10	0.80	1.00	1.25	2.9	3.6	4.5	1.8	2.2	2.8
Night	5	30	86	LOOSE_SAND	-5	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
Night	5	30	86	LOOSE_SAND	0	1.00	1.20	1.45	3.6	4.3	5.2	2.2	2.7	3.2
Night	5	30	86	LOOSE_SAND	5	0.60	0.75	1.00	2.2	2.7	3.6	1.3	1.7	2.2
Night	5	30	86	LOOSE_SAND	10	0.35	0.50	0.70	1.3	1.8	2.5	0.8	1.1	1.6
Night	5	30	86	LOOSE_SAND	15	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Night	5	30	86	LOOSE_SAND	20	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	5	30	86	LOOSE_SAND	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	5	30	86	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Night	5	30	86	LOOSE_SAND	50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3

Table F-7. Maximum Sustainable Speed, Night, 5% Humidity, 35°C (95°F)

Cloud	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/l			stainabl niles/hou	
	` '					F	Risk Leve	el .	F	Risk Lev	el		Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	5	35	95	BLACK_TOP	-50	0.65	0.85	1.15	2.3	3.1	4.1	1.5	1.9	2.6
Night	5	35	95	BLACK_TOP	-40	0.75	1.00	1.25	2.7	3.6	4.5	1.7	2.2	2.8
Night	5	35	95	BLACK_TOP	-30	0.85	1.10	1.40	3.1	4.0	5.0	1.9	2.5	3.1
Night	5	35	95	BLACK_TOP	-20	1.00	1.30	1.55	3.6	4.7	5.6	2.2	2.9	3.5
Night	5	35	95	BLACK_TOP	-15	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Night	5	35	95	BLACK_TOP	-10	1.15	1.45	1.75	4.1	5.2	6.3	2.6	3.2	3.9
Night	5	35	95	BLACK_TOP	-5	1.25	1.55	1.85	4.5	5.6	6.7	2.8	3.5	4.1
Night	5	35	95	BLACK_TOP	0	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Night	5	35	95	BLACK_TOP	5	0.90	1.20	1.50	3.2	4.3	5.4	2.0	2.7	3.4
Night	5	35	95	BLACK_TOP	10	0.65	0.85	1.15	2.3	3.1	4.1	1.5	1.9	2.6
Night	5	35	95	BLACK_TOP	15	0.45	0.65	0.90	1.6	2.3	3.2	1.0	1.5	2.0
Night	5	35	95	BLACK_TOP	20	0.35	0.55	0.70	1.3	2.0	2.5	0.8	1.2	1.6
Night	5	35	95	BLACK_TOP	30	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Night	5	35	95	BLACK_TOP	40	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	5	35	95	BLACK_TOP	50	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
_	5	35	95	DIRT_ROAD	-50	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Night Night	5	35	95	DIRT_ROAD	-40	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Night	5	35	95	DIRT_ROAD	-30	0.80	1.05	1.30	2.9	3.8	4.7	1.8	2.4	2.9
Night		35	95	DIRT_ROAD	-20	0.95	1.20	1.45	3.4	4.3	5.2	2.1	2.7	3.2
Night	5	35	95	DIRT_ROAD	-15	1.00	1.30	1.55	3.6	4.7	5.6	2.2	2.9	3.5
Night	5			DIRT_ROAD	-10	1.10	1.40	1.65	4.0	5.0	5.9	2.5	3.1	3.7
Night	5	35	95 95	DIRT_ROAD	-10 -5	1.20	1.50	1.75	4.3	5.4	6.3	2.7	3.4	3.9
Night	5	35		DIRT_ROAD	0	1.30	1.60	1.75	4.7	5.8	6.8	2.9	3.6	4.3
Night	5	35	95	DIRT_ROAD	5	0.85	1.10	1.40	3.1	4.0	5.0	1.9	2.5	3.1
Night	5	35	95	DIRT_ROAD	10	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Night	5	35	95	1 -				0.80	1.6	2.2	2.9	1.0	1.3	1.8
Night	5	35	95	DIRT_ROAD	15	0.45	0.60	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Night	5	35	95	DIRT_ROAD	20	0.35	0.50	0.65	1	1.3	1.6	0.8	0.8	1.0
Night	5	35	95	DIRT_ROAD	30	0.20	0.35		0.7	0.9	1.3	0.4	0.6	0.8
Night	5	35	95	DIRT_ROAD	40	0.15	0.25	0.35	0.5	0.9		0.3	0.4	0.7
Night	5	35	95	DIRT_ROAD	50	0.15	0.20	0.30	0.5	1.6	1.1 2.2	0.8	1.0	1.3
Night	5	35	95	LOOSE_SAND	-50	0.35	0.45	0.60	1.3	2.0	2.5	0.8	1.2	1.6
Night	5	35	95	LOOSE_SAND	-40	0.40	0.55	0.70	1.4				1.5	1.8
Night	5	35	95	LOOSE_SAND	-30	0.45	0.65	0.80	1.6	2.3	2.9	1.0	1.7	2.1
Night	5	35	95	LOOSE_SAND	-20	0.60	0.75	0.95	2.2	2.7	3.4	1.3		2.4
Night	5	35	95	LOOSE_SAND	-15	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	
Night	5	35	95	LOOSE_SAND	-10	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Night	5	35	95	LOOSE_SAND	-5	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Night	5	35	95	LOOSE_SAND	0	0.95	1.15	1.35	3.4	4.1	4.9	2.1	2.6	3.0
Night	5	35	95	LOOSE_SAND	5	0.50	0.70	0.90	1.8	2.5	3.2	1.1	1.6	2.0
Night	5	35	95	LOOSE_SAND	10	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Night	5	35	95	LOOSE_SAND	15	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Night	5	35	95	LOOSE_SAND	20	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Night	5	35	95	LOOSE_SAND	30	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Night	5	35	95	LOOSE_SAND	40	0.10	0.10	0.20	0.4	0.4	0.7	0.2	0.2	0.4
Night	5	35	95	LOOSE_SAND	50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3

Table F-8. Maximum Sustainable Speed, Night, 25% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/i		Max Su (n	stainabl	
						F	lisk Leve	ei	F	lisk Lev	əl	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	25	5	41	BLACK_TOP	-50	1.05	1.35	1.60	3.8	4.9	5.8	2.4	3.0	3.6
Night	25	5	41	BLACK_TOP	-4 0	1.20	1.50	1.75	4.3	5.4	6.3	2.7	3.4	3.9
Night	25	5	41	BLACK_TOP	-30	1.35	1.65	1.90	4.9	5.9	6.8	3.0	3.7	4.3
Night	25	5	41	BLACK_TOP	-20	1.50	1.80	2.10	5.4	6.5	7.6	3.4	4.0	4.7
Night	25	5	41	BLACK_TOP	-15	1.60	1.90	2.20	5.8	6.8	7.9	3.6	4.3	4.9
Night	25	5	41	BLACK_TOP	-10	1.70	2.00	2.30	6.1	7.2	8.3	3.8	4.5	5.2
Night	25	5	41	BLACK_TOP	-5	1.80	2.10	2.40	6.5	7.6	8.6	4.0	4.7	5.4
Night	25	5	41	BLACK_TOP	0	1.90	2.20	2.50	6.8	7.9	9.0	4.3	4.9	5.6
Night	25	5	41	BLACK_TOP	5	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Night	25	5	41	BLACK_TOP	10	1.05	1.35	1.60	3.8	4.9	5.8	2.4	3.0	3.6
Night	25	5	41	BLACK_TOP	15	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Night	25	5	41	BLACK_TOP	20	0.65	0.90	1.10	2.3	3.2	4.0	1.5	2.0	2.5
Night	25	5	41	BLACK_TOP	30	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Night	25	5	41	BLACK_TOP	40	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Night	25	5	41	BLACK_TOP	50	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Night	25	5	41	DIRT_ROAD	-50	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Night	25	5	41	DIRT_ROAD	-40	1.10	1.40	1.65	4.0	5.0	5.9	2.5	3.1	3.7
Night	25	5	41	DIRT_ROAD	-30	1.25	1.55	1.80	4.5	5.6	6.5	2.8	3.5	4.0
Night	25	5	41	DIRT_ROAD	-20	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
_	25	5	41	DIRT_ROAD	-15	1.50	1.80	2.10	5.4	6.5	7.6	3.4	4.0	4.7
Night	25	5	41	DIRT_ROAD	-10	1.60	1.90	2.20	5.8	6.8	7.9	3.6	4.3	4.9
Night	25 25	5	41	DIRT_ROAD	-10 -5	1.70	2.00	2.30	6.1	7.2	8.3	3.8	4.5	5.2
Night	25 25	5	41	DIRT_ROAD	0	1.80	2.10	2.40	6.5	7.6	8.6	4.0	4.7	5.4
Night				DIRT_ROAD	5	1.35	1.60	1.90	4.9	5.8	6.8	3.0	3.6	4.3
Night	25	5	41	DIRT_ROAD	10	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Night	25	5	41	DIRT_ROAD	15	0.75	1.25	1.20	2.7	3.6	4.3	1.7	2.2	2.7
Night	25	5	41	DIRT_ROAD				1.00	1	2.9	3.6	1.7	1.8	2.2
Night	25	5	41		20	0.60	0.80		2.2	2.9	2.7	1.0	1.3	1.7
Night	25	5	41	DIRT_ROAD	30	0.45	0.60	0.75	1.6		2.7	0.8	1.0	1.2
Night	25	5	41	DIRT_ROAD	40	0.35	0.45	0.55	1.3	1.6		1		
Night	25	5	41	DIRT_ROAD	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Night	25	5	41	LOOSE_SAND	-50	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Night	25	5	41	LOOSE_SAND	-40	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Night	25	5	41	LOOSE_SAND	-30	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Night	25	5	41	LOOSE_SAND	-20	0.90	1.15	1.35	3.2	4.1	4.9	2.0	2.6	3.0
Night	25	5	41	LOOSE_SAND	-15	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Night	25	5	41	LOOSE_SAND	-10	1.10	1.30	1.50	4.0	4.7	5.4	2.5	2.9	3.4
Night	25	5	41	LOOSE_SAND	-5	1.20	1.40	1.60	4.3	5.0	5.8	2.7	3.1	3.6
Night	25	5	41	LOOSE_SAND	0	1.30	1.55	1.75	4.7	5.6	6.3	2.9	3.5	3.9
Night	2 5	5	41	LOOSE_SAND	5	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Night	25	5	41	LOOSE_SAND	10	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Night	25	5	41	LOOSE_SAND	15	0.45	0.55	0.70	1.6	2.0	2.5	1.0	1.2	1.6
Night	25	5	41	LOOSE_SAND	20	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Night	25	5	41	LOOSE_SAND	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	25	5	41	LOOSE_SAND	40	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Night	25	5	41	LOOSE_SAND	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6

Table F-9. Maximum Sustainable Speed, Night, 25% Humidity, 10°C (50°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	e Speed ond)		stainabl meters/l			stainabl niles/ho	
	, ,					F	Risk Lev	el	F	Risk Lev	əi	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	25	10	50	BLACK_TOP	-50	1.05	1.25	1.60	3.8	4.5	5.8	2.4	2.8	3.6
Night	25	10	50	BLACK_TOP	-40	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Night	25	10	50	BLACK_TOP	-30	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Night	25	10	50	BLACK_TOP	-20	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Night	25	10	50	BLACK_TOP	-15	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Night	25	10	50	BLACK_TOP	-10	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
Night	25	10	50	BLACK_TOP	-5	1.75	2.00	2.40	6.3	7.2	8.6	3.9	4.5	5.4
Night	25	10	50	BLACK_TOP	0	1.85	2.15	2.50	6.7	7.7	9.0	4.1	4.8	5.6
Night	25	10	50	BLACK_TOP	5	1.35	1.65	2.00	4.9	5.9	7.2	3.0	3.7	4.5
Night	25	10	50	BLACK_TOP	10	1.05	1.25	1.60	3.8	4.5	5.8	2.4	2.8	3.6
Night	25	10	50	BLACK_TOP	15	0.80	1.00	1.30	2.9	3.6	4.7	1.8	2.2	2.9
Night	25	10	50	BLACK_TOP	20	0.65	0.80	1.10	2.3	2.9	4.0	1.5	1.8	2.5
Night	25	10	50	BLACK_TOP	30	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Night	25	10	50	BLACK_TOP	40	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Night	25	10	50	BLACK_TOP	50	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Night	25	10	50	DIRT_ROAD	-50	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Night	25	10	50	DIRT_ROAD	-40	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
_	25	10	50	DIRT_ROAD	-30	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Night	25	10	50	DIRT_ROAD	-20	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Night	25	10	50	DIRT_ROAD	-15	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Night		10	50	DIRT_ROAD	-10	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Night	25	10	50	DIRT_ROAD	-10 -5	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
Night	25			DIRT_ROAD	0	1.80	2.05	2.40	6.5	7.4	8.6	4.0	4.6	5.4
Night	25	10	50	DIRT_ROAD	5	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Night	25	10	50	DIRT_ROAD	10	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Night	25	10	50	DIRT_ROAD	15	0.95	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Night	25	10	50	DIRT_ROAD	20	0.60	0.75	1.00	2.2	2.7	3.6	1.3	1.7	2.2
Night	25	10	50	DIRT_ROAD	30	0.40	0.75	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Night	25	10	50	DIRT_ROAD	40	0.30	0.33	0.75	1.1	1.4	2.0	0.7	0.9	1.2
Night	25	10	50	DIRT_ROAD	50	0.30	0.40	0.55	0.9	1.3	1.6	0.6	0.8	1.0
Night	25	10	50	LOOSE_SAND	-50	0.25	0.33	0.45	2.0	2.5	3.2	1.2	1.6	2.0
Night	25	10	50	LOOSE_SAND	-50 -40	0.65	0.80	1.05	2.3	2.9	3.8	1.5	1.8	2.4
Night	25	10	50	1		1				3.2	4.1	1.7	2.0	2.6
Night	25	10	50	LOOSE_SAND	-30	0.75	0.90	1.15	2.7	3.8	4.9		2.4	3.0
Night	25	10	50	LOOSE_SAND	-20	0.90	1.05	1.35	3.2	3.0 4.1	5.0	2.0 2.1	2.6	3.1
Night	25	10	50	LOOSE_SAND	-15	0.95	1.15	1.40	3.4			l .	2.8	3.4
Night	25	10	50	LOOSE_SAND	-10	1.05	1.25	1.50	3.8	4.5	5.4	2.4		
Night	25	10	50	LOOSE_SAND	-5	1.15	1.35	1.60	4.1	4.9	5.8	2.6	3.0	3.6
Night	25	10	50	LOOSE_SAND	0	1.30	1.45	1.75	4.7	5.2	6.3	2.9	3.2	3.9
Night	25	10	50	LOOSE_SAND	5	0.80	1.00	1.25	2.9	3.6	4.5	1.8	2.2	2.8
Night	25	10	50	LOOSE_SAND	10	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Night	25	10	50	LOOSE_SAND	15	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Night	25	10	50	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Night	25	10	50	LOOSE_SAND	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	25	10	50	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Night	25	10	50	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table F-10. Maximum Sustainable Speed, Night, 25% Humidity, 15°C (59°F)

Cloud	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec	•		stainable meters/l	e Speed nour)		stainabl niles/hou	
	. ,					F	Risk Leve	el	F	Risk Leve	el	F	lsk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	25	15	59	BLACK_TOP	-50	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Night	25	15	59	BLACK_TOP	-40	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
Night	25	15	59	BLACK_TOP	-30	1.20	1.45	1.85	4.3	5.2	6.7	2.7	3.2	4.1
Night	25	15	59	BLACK_TOP	-20	1.35	1.65	2.00	4.9	5.9	7.2	3.0	3.7	4.5
Night	25	15	59	BLACK_TOP	-15	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Night	25	15	59	BLACK_TOP	-10	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Night	25	15	59	BLACK_TOP	-5	1.65	1.95	2.30	5.9	7.0	8.3	3.7	4.4	5.2
Night	25	15	59	BLACK_TOP	0	1.75	2.05	2.45	6.3	7.4	8.8	3.9	4.6	5.5
Night	25	15	59	BLACK_TOP	5	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Night	25	15	59	BLACK_TOP	10	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Night	25	15	59	BLACK_TOP	15	0.75	0.95	1.25	2.7	3.4	4.5	1.7	2.1	2.8
Night	25	15	59	BLACK_TOP	20	0.60	0.75	1.05	2.2	2.7	3.8	1.3	1.7	2.4
Night	25	15	59	BLACK_TOP	30	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Night	25	15	59	BLACK_TOP	40	0.30	0.40	0.60	1.1	1.4	2.2	0.7	0.9	1.3
Night	25	15	59	BLACK_TOP	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Night	25	15	59	DIRT_ROAD	-50	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Night	25	15	59	DIRT_ROAD	-40	1.00	1.20	1.55	3.6	4.3	5.6	2.2	2.7	3.5
Night	25	15	59	DIRT_ROAD	-30	1.10	1.35	1.70	4.0	4.9	6.1	2.5	3.0	3.8
Night	25	15	59	DIRT_ROAD	-20	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Night	25	15	59	DIRT_ROAD	-15	1.35	1.65	2.00	4.9	5.9	7.2	3.0	3.7	4.5
Night	25	15	59	DIRT_ROAD	-10	1.45	1.75	2.10	5.2	6.3	7.6	3.2	3.9	4.7
Night	25	15	59	DIRT_ROAD	-5	1.55	1.85	2.20	5.6	6.7	7.9	3.5	4.1	4.9
Night	25	15	59	DIRT_ROAD	0	1.70	1.95	2.30	6.1	7.0	8.3	3.8	4.4	5.2
Night	25	15	59	DIRT_ROAD	5	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Night	25	15	59	DIRT_ROAD	10	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Night	25	15	59	DIRT_ROAD	15	0.65	0.85	1.15	2.3	3.1	4.1	1.5	1.9	2.6
Night	25	15	59	DIRT_ROAD	20	0.55	0.70	0.95	2.0	2.5	3.4	1.2	1.6	2.1
Night	25	15	59	DIRT_ROAD	30	0.35	0.50	0.70	1.3	1.8	2.5	0.8	1.1	1.6
Night	25	15	59	DIRT_ROAD	40	0.30	0.35	0.55	1.1	1.3	2.0	0.7	0.8	1.2
Night	25	15	59	DIRT_ROAD	50	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Night	25	15	59	LOOSE_SAND	-50	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Night	25	15	59	LOOSE_SAND	-40	0.60	0.75	0.95	2.2	2.7	3.4	1.3	1.7	2.1
Night	25	15	59	LOOSE_SAND	-30	0.70	0.85	1.10	2.5	3.1	4.0	1.6	1.9	2.5
Night	25	15	59	LOOSE_SAND	-20	0.85	1.00	1.25	3.1	3.6	4.5	1.9	2.2	2.8
Night	25	15	59	LOOSE_SAND	-15	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
Night	25	15	59	LOOSE_SAND	-10	1.00	1.20	1.45	3.6	4.3	5.2	2.2	2.7	3.2
Night	25	15	59	LOOSE_SAND	-5	1.10	1.30	1.55	4.0	4.7	5.6	2.5	2.9	3.5
Night	25	15	59	LOOSE_SAND	0	1.20	1.40	1.65	4.3	5.0	5.9	2.7	3.1	3.7
Night	25	15	59	LOOSE_SAND	5	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Night	25	15	59	LOOSE_SAND	10	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Night	25	15	59	LOOSE_SAND	15	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
_	25 25	15	59	LOOSE_SAND	20	0.30	0.40	0.50	1.1	1.4	1.8	0.8	0.9	1.1
Night Night	25 25	15	59	LOOSE_SAND	30	0.20	0.40	0.35	0.7	0.9	1.3	0.7	0.6	0.8
Night Night	25 25	15	59 59	LOOSE_SAND	40	0.20	0.20	0.35	0.7	0.9	0.9	0.4	0.6	0.6
Night				LOOSE_SAND		1								0.6
Night	25	15	59	LOUSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table F-11. Maximum Sustainable Speed, Night, 25% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainable ters/sec	ond)	(kilo	meters/f	nour)	(n	stainable	ır)
						F	lisk Leve	əl	F	lisk Leve	əl	F	lisk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	25	20	68	BLACK_TOP	-50	0.85	1.10	1.40	3.1	4.0	5.0	1.9	2.5	3.1
Night	25	20	68	BLACK_TOP	-40	1.00	1.20	1.55	3.6	4.3	5.6	2.2	2.7	3.5
Night	25	20	68	BLACK_TOP	-30	1.10	1.35	1.70	4.0	4.9	6.1	2.5	3.0	3.8
Night	25	20	68	BLACK_TOP	-20	1.25	1.55	1.85	4.5	5.6	6.7	2.8	3.5	4.1
Night	25	20	68	BLACK_TOP	-15	1.35	1.65	1.95	4.9	5.9	7.0	3.0	3.7	4.4
Night	25	20	68	BLACK_TOP	-10	1.45	1.75	2.05	5.2	6.3	7.4	3.2	3.9	4.6
Night	25	20	68	BLACK_TOP	-5	1.55	1.85	2.15	5.6	6.7	7.7	3.5	4.1	4.8
Night	25	20	68	BLACK_TOP	0	1.65	1.95	2.30	5.9	7.0	8.3	3.7	4.4	5.2
Night	25	20	68	BLACK_TOP	5	1.20	1.45	1.75	4.3	5.2	6.3	2.7	3.2	3.9
Night	25	20	68	BLACK_TOP	10	0.85	1.10	1.40	3.1	4.0	5.0	1.9	2.5	3.1
Night	25	20	68	BLACK_TOP	15	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Night	25	20	68	BLACK_TOP	20	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Night	25	20	68	BLACK_TOP	30	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Night	25	20	68	BLACK_TOP	40	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Night	25	20	68	BLACK_TOP	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	25	20	68	DIRT_ROAD	-50	0.80	1.00	1.30	2.9	3.6	4.7	1.8	2.2	2.9
Night	25	20	68	DIRT_ROAD	-40	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Night	25	20	68	DIRT_ROAD	-30	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Night	25	20	68	DIRT_ROAD	-20	1.20	1.45	1.75	4.3	5.2	6.3	2.7	3.2	3.9
Night	25	20	68	DIRT_ROAD	-15	1.30	1.55	1.85	4.7	5.6	6.7	2.9	3.5	4.1
Night	25	20	68	DIRT_ROAD	-10	1.35	1.65	1.95	4.9	5.9	7.0	3.0	3.7	4.4
Night	25	20	68	DIRT_ROAD	-5	1.50	1.75	2.05	5.4	6.3	7.4	3.4	3.9	4.6
Night	25	20	68	DIRT_ROAD	0	1.60	1.85	2.15	5.8	6.7	7.7	3.6	4.1	4.8
Night	25	20	68	DIRT_ROAD	5	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Night	25	20	68	DIRT_ROAD	10	0.80	1.00	1.30	2.9	3.6	4.7	1.8	2.2	2.9
Night	25	20	68	DIRT_ROAD	15	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Night	25	20	68	DIRT_ROAD	20	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Night	25	20	68	DIRT_ROAD	30	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Night	25	20	68	DIRT_ROAD	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Night	25	20	68	DIRT_ROAD	50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Night	25	20	68	LOOSE_SAND	-50	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Night	25	20	68	LOOSE_SAND	-40	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Night	25	20	68	LOOSE_SAND	-30	0.65	0.80	1.00	2.3	2.9	3.6	1.5	1.8	2.2
Night	25	20	68	LOOSE_SAND	-20	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Night	25	20	68	LOOSE_SAND	-15	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Night	25	20	68	LOOSE_SAND	-10	0.95	1.10	1.35	3.4	4.0	4.9	2.1	2.5	3.0
Night	25	20	68	LOOSE_SAND	-5	1.05	1.20	1.45	3.8	4.3	5.2	2.4	2.7	3.2
Night	25	20	68	LOOSE_SAND	0	1.15	1.35	1.55	4.1	4.9	5.6	2.6	3.0	3.5
Night	25	20	68	LOOSE_SAND	5	0.70	0.85	1.10	2.5	3.1	4.0	1.6	1.9	2.5
Night	25	20	68	LOOSE_SAND	10	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Night	25	20	68	LOOSE_SAND	15	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Night	25	20	68	LOOSE_SAND	20	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Night	25	20	68	LOOSE_SAND	30	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Night	25	20	68	LOOSE_SAND	40	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Night	25	20	68	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table F-12. Maximum Sustainable Speed, Night, 25% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco	•		stainable meters/f			stainabl	
						F	lisk Leve	ol	F	Risk Leve	əl	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	25	25	77	BLACK_TOP	-50	0.80	1.00	1.25	2.9	3.6	4.5	1.8	2.2	2.8
Night	25	25	77	BLACK_TOP	-40	0.90	1.15	1.40	3.2	4.1	5.0	2.0	2.6	3.1
Night	25	25	77	BLACK_TOP	-30	1.00	1.25	1.55	3.6	4.5	5.6	2.2	2.8	3.5
Night	25	25	77	BLACK_TOP	-20	1.15	1.45	1.70	4.1	5.2	6.1	2.6	3.2	3.8
Night	25	25	77	BLACK_TOP	-15	1.25	1.55	1.80	4.5	5.6	6.5	2.8	3.5	4.0
Night	25	25	77	BLACK_TOP	-10	1.35	1.65	1.90	4.9	5.9	6.8	3.0	3.7	4.3
Night	25	25	77	BLACK_TOP	-5	1.45	1.75	2.00	5.2	6.3	7.2	3.2	3.9	4.5
Night	25	25	77	BLACK_TOP	0	1.55	1.85	2.10	5.6	6.7	7.6	3.5	4.1	4.7
Night	25	25	77	BLACK_TOP	5	1.10	1.35	1.60	4.0	4.9	5.8	2.5	3.0	3.6
Night	25	25	77	BLACK_TOP	10	0.80	1.00	1.25	2.9	3.6	4.5	1.8	2.2	2.8
Night	25	25	77	BLACK_TOP	15	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Night	25	25	77	BLACK_TOP	20	0.45	0.65	0.80	1.6	2.3	2.9	1.0	1.5	1.8
Night	25	25	77	BLACK_TOP	30	0.30	0.45	0.60	1.1	1.6	2.2	0.7	1.0	1.3
Night	25	25	77	BLACK_TOP	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Night	25	25	77	BLACK_TOP	50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Night	25	25	77	DIRT_ROAD	-50	0.70	0.95	1.15	2.5	3.4	4.1	1.6	2.1	2.6
Night	25	25	77	DIRT_ROAD	-40	0.80	1.05	1.30	2.9	3.8	4.7	1.8	2.4	2.9
Night	25	25	77	DIRT_ROAD	-30	0.95	1.20	1.45	3.4	4.3	5.2	2.1	2.7	3.2
Night	25	25	77	DIRT_ROAD	-20	1.10	1.35	1.60	4.0	4.9	5.8	2.5	3.0	3.6
Night	25	25	77	DIRT_ROAD	-15	1.20	1.45	1.70	4.3	5.2	6.1	2.7	3.2	3.8
Night	25	25	77	DIRT_ROAD	-10	1.30	1.55	1.80	4.7	5.6	6.5	2.9	3.5	4.0
Night	25	25	77	DIRT_ROAD	-5	1.40	1.65	1.90	5.0	5.9	6.8	3.1	3.7	4.3
Night	25	25	77	DIRT_ROAD	0	1.50	1.75	2.00	5.4	6.3	7.2	3.4	3.9	4.5
Night	25	25	77	DIRT_ROAD	5	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Night	25	25	77	DIRT_ROAD	10	0.70	0.95	1.15	2.5	3.4	4.1	1.6	2.1	2.6
Night	25	25	77	DIRT_ROAD	15	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Night	25	25	77	DIRT_ROAD	20	0.40	0.60	0.75	1.4	2.2	2.7	0.9	1.3	1.7
Night	25	25	77	DIRT_ROAD	30	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Night	25	25	77	DIRT_ROAD	40	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	25	25	77	DIRT_ROAD	50	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Night	25	25	77	LOOSE_SAND	-50	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Night	25	25	77	LOOSE_SAND	-40	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Night	25	25	77	LOOSE_SAND	-30	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Night	25	25	77	LOOSE_SAND	-20	0.70	0.90	1.05	2.5	3.2	3.8	1.6	2.0	2.4
Night	25	25	77	LOOSE_SAND	-15	0.80	0.95	1.15	2.9	3.4	4.1	1.8	2.1	2.6
Night	25	25	77	LOOSE_SAND	-10	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Night	25	25	77	LOOSE_SAND	-5	0.95	1.15	1.35	3.4	4.1	4.9	2.1	2.6	3.0
Night	25	25	77	LOOSE_SAND	0	1.05	1.25	1.45	3.8	4.5	5.2	2.4	2.8	3.2
Night	25	25	77	LOOSE_SAND	5	0.65	0.80	1.00	2.3	2.9	3.6	1.5	1.8	2.2
Night	25	25	77	LOOSE_SAND	10	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Night	25	25	77	LOOSE_SAND	15	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Night	25	25	77	LOOSE_SAND	20	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	25	25	77	LOOSE_SAND	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	25	25	77	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Night	25	25	77	LOOSE_SAND	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3

Table F-13. Maximum Sustainable Speed, Night, 25% Humidity, 30°C (86°F)

Г	Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainable ters/seco	ond)	(kilo	meters/f	nour)	(n	stainable	1L)
							F	lisk Leve	el	F	lisk Leve	əl	F	Risk Leve	∌l
							Low	Mod	High	Low	Mod	High	Low	Mod	High
	Night	25	30	86	BLACK_TOP	-50	0.70	0.95	1.10	2.5	3.4	4.0	1.6	2.1	2.5
	Night	25	30	86	BLACK_TOP	-40	0.80	1.05	1.20	2.9	3.8	4.3	1.8	2.4	2.7
	Night	25	30	86	BLACK_TOP	-30	0.90	1.20	1.35	3.2	4.3	4.9	2.0	2.7	3.0
	Night	25	30	86	BLACK_TOP	-20	1.05	1.35	1.50	3.8	4.9	5.4	2.4	3.0	3.4
	Night	25	30	86	BLACK_TOP	-15	1.15	1.45	1.60	4.1	5.2	5.8	2.6	3.2	3.6
1	Night	25	30	86	BLACK_TOP	-10	1.25	1.55	1.70	4.5	5.6	6.1	2.8	3.5	3.8
1	Night	25	30	86	BLACK_TOP	-5	1.35	1.65	1.80	4.9	5.9	6.5	3.0	3.7	4.0
	Night	25	30	86	BLACK_TOP	0	1.45	1.75	1.95	5.2	6.3	7.0	3.2	3.9	4.4
	Night	25	30	86	BLACK_TOP	5	1.00	1.25	1.45	3.6	4.5	5.2	2.2	2.8	3.2
	Night	25	30	86	BLACK_TOP	10	0.70	0.95	1.10	2.5	3.4	4.0	1.6	2.1	2.5
ı	Night	25	30	86	BLACK_TOP	15	0.50	0.70	0.85	1.8	2.5	3.1	1.1	1.6	1.9
ı	Night	25	30	86	BLACK_TOP	20	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
	Night	25	30	86	BLACK_TOP	30	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
	Night	25	30	86	BLACK_TOP	40	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
ł	Night	25	30	86	BLACK_TOP	50	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
1	Night	25	30	86	DIRT_ROAD	-50	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
1	Night	25	30	86	DIRT_ROAD	-40	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
	Night	25	30	86	DIRT_ROAD	-30	0.85	1.10	1.25	3.1	4.0	4.5	1.9	2.5	2.8
I	Night	25	30	86	DIRT_ROAD	-20	1.00	1.25	1.45	3.6	4.5	5.2	2.2	2.8	3.2
	Night	25	30	86	DIRT_ROAD	-15	1.10	1.35	1.50	4.0	4.9	5.4	2.5	3.0	3.4
ı	Night	25	30	86	DIRT_ROAD	-10	1.15	1.45	1.60	4.1	5.2	5.8	2.6	3.2	3.6
ı	Night	25	30	86	DIRT_ROAD	-5	1.30	1.55	1.75	4.7	5.6	6.3	2.9	3.5	3.9
	Night	25	30	86	DIRT_ROAD	0	1.40	1.65	1.85	5.0	5.9	6.7	3.1	3.7	4.1
1	Night	25	30	86	DIRT_ROAD	5	0.90	1.20	1.35	3.2	4.3	4.9	2.0	2.7	3.0
1	Night	25	30	86	DIRT_ROAD	10	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
ı	Night	25	30	86	DIRT_ROAD	15	0.45	0.65	0.80	1.6	2.3	2.9	1.0	1.5	1.8
	Night	25	30	86	DIRT_ROAD	20	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
	Night	25	30	86	DIRT_ROAD	30	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
	Night	25	30	86	DIRT_ROAD	40	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
	Night	25	30	86	DIRT_ROAD	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
ı	Night	25	30	86	LOOSE_SAND	-50	0.35	0.50	0.60	1.3	1.8	2.2	0.8	1.1	1.3
	Night	25	30	86	LOOSE_SAND	-40	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
	Night	25	30	86	LOOSE_SAND	-30	0.50	0.70	0.80	1.8	2.5	2.9	1.1	1.6	1.8
	Night	25	30	86	LOOSE_SAND	-20	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
	Night	25	30	86	LOOSE_SAND	-15	0.70	0.90	1.00	2.5	3.2	3.6	1.6	2.0	2.2
	Night	25	30	86	LOOSE_SAND	-10	0.80	1.00	1.10	2.9	3.6	4.0	1.8	2.2	2.5
	Night	25	30	86	LOOSE_SAND	-5	0.90	1.10	1.20	3.2	4.0	4.3	2.0	2.5	2.7
	Night	25	30	86	LOOSE_SAND	0	1.00	1.20	1.30	3.6	4.3	4.7	2.2	2.7	2.9
	Night	25	30	86	LOOSE_SAND	5	0.55	0.75	0.85	2.0	2.7	3.1	1.2	1.7	1.9
	Night	25	30	86	LOOSE_SAND	10	0.35	0.50	0.60	1.3	1.8	2.2	0.8	1.1	1.3
	Night	25	30	86	LOOSE_SAND	15	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
	Night	25	30	86	LOOSE_SAND	20	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
	Night	25	30	86	LOOSE_SAND	30	0.10	0.20	0.25	0.4	0.7	0.9	0.2	0.4	0.6
1	Night	25	30	86	LOOSE_SAND	40	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
	Night	25	30	86	LOOSE_SAND	50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3

Table F-14. Maximum Sustainable Speed, Night, 25% Humidity, 35°C (95°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec	•		stainabl meters/i		Max Su (n	stainabl niles/hou	
						F	Risk Leve	əl	F	lisk Lev	əl	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	25	35	95	BLACK_TOP	-50	0.60	0.80	0.90	2.2	2.9	3.2	1.3	1.8	2.0
Night	25	35	95	BLACK_TOP	-40	0.70	0.90	1.00	2.5	3.2	3.6	1.6	2.0	2.2
Night	25	3 5	95	BLACK_TOP	-30	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Night	25	35	95	BLACK_TOP	-20	0.95	1.15	1.30	3.4	4.1	4.7	2.1	2.6	2.9
Night	25	35	95	BLACK_TOP	-15	1.05	1.25	1.40	3.8	4.5	5.0	2.4	2.8	3.1
Night	25	35	95	BLACK_TOP	-10	1.15	1.35	1.50	4.1	4.9	5.4	2.6	3.0	3.4
Night	25	35	95	BLACK_TOP	-5	1.25	1.45	1.60	4.5	5.2	5.8	2.8	3.2	3.6
Night	25	35	95	BLACK_TOP	0	1.35	1.55	1.70	4.9	5.6	6.1	3.0	3.5	3.8
Night	25	35	95	BLACK_TOP	5	0.90	1.10	1.25	3.2	4.0	4.5	2.0	2.5	2.8
Night	25	35	95	BLACK_TOP	10	0.60	0.80	0.90	2.2	2.9	3.2	1.3	1.8	2.0
Night	25	35	95	BLACK_TOP	15	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Night	25	35	95	BLACK_TOP	20	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Night	25	35	95	BLACK_TOP	30	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Night	25	35	95	BLACK_TOP	40	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Night	25	35	95	BLACK_TOP	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	25	35	95	DIRT_ROAD	-50	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Night	25	35	95	DIRT_ROAD	-40	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
Night	25	35	95	DIRT_ROAD	-30	0.75	0.95	1.10	2.7	3.4	4.0	1.7	2.1	2.5
Night	25	35	95	DIRT_ROAD	-20	0.90	1.10	1.25	3.2	4.0	4.5	2.0	2.5	2.8
Night	25	35	95	DIRT_ROAD	-15	0.95	1.20	1.30	3.4	4.3	4.7	2.1	2.7	2.9
Night	25	35	95	DIRT_ROAD	-10	1.05	1.25	1.40	3.8	4.5	5.0	2.4	2.8	3.1
Night	25	35	95	DIRT_ROAD	-5	1.15	1.40	1.55	4.1	5.0	5.6	2.6	3.1	3.5
Night	25	35	95	DIRT_ROAD	0	1.30	1.50	1.65	4.7	5.4	5.9	2.9	3.4	3.7
Night	25	35	95	DIRT_ROAD	5	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Night	25	35	95	DIRT_ROAD	10	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Night	25	35	95	DIRT_ROAD	15	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Night	25	35	95	DIRT_ROAD	20	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Night	25	35	95	DIRT_ROAD	30	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Night	25	35	95	DIRT_ROAD	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
-	25	35	95	DIRT_ROAD	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Night Night	25	35	95	LOOSE_SAND	-50	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Night	25	35	95	LOOSE_SAND	-40	0.35	0.50	0.55	1.3	1.8	2.0	0.8	1.1	1.2
Night	25	35	95	LOOSE_SAND	-30	0.45	0.60	0.65	1.6	2.2	2.3	1.0	1.3	1.5
	25	35	95	LOOSE_SAND	-20	0.55	0.70	0.80	2.0	2.5	2.9	1.2	1.6	1.8
Night	25	35	95	LOOSE_SAND	-15	0.65	0.80	0.90	2.3	2.9	3.2	1.5	1.8	2.0
Night				LOOSE_SAND	-10	0.70	0.85	0.95	2.5	3.1	3.4	1.6	1.9	2.1
Night Night	25 25	3 5 3 5	95 95	LOOSE_SAND	-10 -5	0.80	0.95	1.05	2.9	3.4	3.8	1.8	2.1	2.4
Night				LOOSE_SAND	0	0.90	1.05	1.20	3.2	3.8	4.3	2.0	2.4	2.7
Night	25	35	95 95	LOOSE_SAND	5	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
Night	25	35		LOOSE_SAND		0.30	0.65	0.75	1.1	1.4	1.8	0.7	0.9	1.1
Night	25	35	95	1		1	0.40	0.35	0.7	1.1	1.3	0.7	0.5	0.8
Night	25	35	95	LOOSE_SAND	15	0.20			0.7	0.7	0.9	0.4	0.7	0.6
Night	25	35	95	LOOSE_SAND	20	0.15	0.20	0.25		0.7	0.9	0.3	0.4	0.4
Night	25	35	95	LOOSE_SAND	30	0.10	0.15	0.20	0.4			1		
Night	25	35	95	LOOSE_SAND		0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Night	25	35	95	LOOSE_SAND	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2

Table F-15. Maximum Sustainable Speed, Night, 50% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec		Max Su (kilo	stainabl meters/l			stainabl niles/hor	
						F	lisk Leve	əl	F	lisk Leve	əl	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	50	5	41	BLACK_TOP	-50	1.05	1.35	1.60	3.8	4.9	5.8	2.4	3.0	3.6
Night	50	5	41	BLACK_TOP	-40	1.20	1.45	1.75	4.3	5.2	6.3	2.7	3.2	3.9
Night	50	5	41	BLACK_TOP	-30	1.35	1.60	1.90	4.9	5.8	6.8	3.0	3.6	4.3
Night	50	5	41	BLACK_TOP	-20	1.50	1.80	2.10	5.4	6.5	7.6	3.4	4.0	4.7
Night	50	5	41	BLACK_TOP	-15	1.60	1.90	2.20	5.8	6.8	7.9	3.6	4.3	4.9
Night	50	5	41	BLACK_TOP	-10	1.70	2.00	2.30	6.1	7.2	8.3	3.8	4.5	5.2
Night	50	5	41	BLACK_TOP	-5	1.80	2.10	2.40	6.5	7.6	8.6	4.0	4.7	5.4
Night	50	5	41	BLACK_TOP	0	1.90	2.20	2.50	6.8	7.9	9.0	4.3	4.9	5.6
Night	50	5	-41	BLACK_TOP	5	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Night	50	5	41	BLACK_TOP	10	1.05	1.35	1.60	3.8	4.9	5.8	2.4	3.0	3.6
Night	50	5	41	BLACK_TOP	15	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Night	50	5	41	BLACK_TOP	20	0.65	0.90	1.10	2.3	3.2	4.0	1.5	2.0	2.5
Night	50	5	41	BLACK_TOP	30	0.45	0.65	0.80	1.6	2.3	2.9	1.0	1.5	1.8
Night	50	5	41	BLACK_TOP	40	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
-	50	5	41	BLACK_TOP	50	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Night Night	50	5	41	DIRT_ROAD	-50	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Night	50	5	41	DIRT_ROAD	-40	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Night	50	5	41	DIRT_ROAD	-30	1.25	1.50	1.80	4.5	5.4	6.5	2.8	3.4	4.0
Night	50	5	41	DIRT_ROAD	-20	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Night	50	5	41	DIRT_ROAD	-15	1.50	1.80	2.10	5.4	6.5	7.6	3.4	4.0	4.7
Night	50	5	41	DIRT_ROAD	-10	1.60	1.90	2.20	5.8	6.8	7.9	3.6	4.3	4.9
Night			41	DIRT_ROAD	-5	1.70	2.00	2.30	6.1	7.2	8.3	3.8	4.5	5.2
Night	50	5		DIRT_ROAD		1.80	2.10	2.40	6.5	7.6	8.6	4.0	4.7	5.4
Night	50	5	41		0			1.90	4.7	7.8 5.8	6.8	2.9	3.6	4.3
Night	50	5	41	DIRT_ROAD	5	1.30	1.60	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Night	50	5	41	DIRT_ROAD	10	1.00	1.25			4.5 3.6	4.3	1.7	2.2	2.7
Night	50	5	41	DIRT_ROAD	15	0.75	1.00	1.20	2.7					2.2
Night	50	5	41	DIRT_ROAD	20	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8 1.2	1.7
Night	50	5	41	DIRT_ROAD	30	0.45	0.55	0.75	1.6	2.0	2.7	1.0		
Night	50	5	41	DIRT_ROAD	40	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
Night	50	5	41	DIRT_ROAD	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Night	50	5	41	LOOSE_SAND	-50	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Night	50	5	41	LOOSE_SAND	-40	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Night	50	5	41	LOOSE_SAND	-30	0.80	0.95	1.15	2.9	3.4	4.1	1.8	2.1	2.6
Night	50	5	41	LOOSE_SAND	-20	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
Night	50	5	41	LOOSE_SAND	-15	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Night	50	5	41	LOOSE_SAND	-10	1.10	1.30	1.50	4.0	4.7	5.4	2.5	2.9	3.4
Night	50	5	41	LOOSE_SAND	-5	1.20	1.40	1.60	4.3	5.0	5.8	2.7	3.1	3.6
Night	50	5	41	LOOSE_SAND	0	1.30	1.50	1.75	4.7	5.4	6.3	2.9	3.4	3.9
Night	50	5	41	LOOSE_SAND	5	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Night	50	5	41	LOOSE_SAND	10	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Night	50	5	41	LOOSE_SAND	15	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Night	50	5	41	LOOSE_SAND	20	0.35	0.45	0.55	1.3	1.6	2.0	8.0	1.0	1.2
Night	50	5	41	LOOSE_SAND	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	50	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Night	50	5	41	LOOSE_SAND	50	0.10	0.20	0.25	0.4	0.7	0.9	0.2	0.4	0.6

Table F-16. Maximum Sustainable Speed, Night, 50% Humidity, 10°C (50°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl			stainabi meters/l	e Speed nour)		stainabi niies/hou	
						F	lisk Lev	el	F	lisk Leve	el	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	50	10	50	BLACK_TOP	-50	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Night	50	10	50	BLACK_TOP	-40	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Night	50	10	50	BLACK_TOP	-30	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Night	50	10	50	BLACK_TOP	-20	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Night	50	10	50	BLACK_TOP	-15	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Night	50	10	50	BLACK_TOP	-10	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
Night	50	10	50	BLACK_TOP	-5	1.75	2.00	2.40	6.3	7.2	8.6	3.9	4.5	5.4
Night	50	10	50	BLACK_TOP	0	1.85	2.10	2.50	6.7	7.6	9.0	4.1	4.7	5.6
Night	50	10	50	BLACK_TOP	5	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Night	50	10	50	BLACK_TOP	10	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Night	50	10	50	BLACK_TOP	15	0.80	1.00	1.30	2.9	3.6	4.7	1.8	2.2	2.9
Night	50	10	50	BLACK_TOP	20	0.65	0.80	1.10	2.3	2.9	4.0	1.5	1.8	2.5
Night	50	10	50	BLACK_TOP	30	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Night	50	10	50	BLACK_TOP	40	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Night	50	10	50	BLACK_TOP	50	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Night	50	10	50	DIRT_ROAD	-50	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Night	50	10	50	DIRT_ROAD	-40	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
Night	50	10	50	DIRT_ROAD	-30	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Night	50	10	50	DIRT_ROAD	-20	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Night	50	10	50	DIRT_ROAD	-15	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Night	50	10	50	DIRT_ROAD	-10	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Night	50	10	50	DIRT_ROAD	-5	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
Night	50	10	50	DIRT_ROAD	0	1.75	2.00	2.40	6.3	7.2	8.6	3.9	4.5	5.4
Night	50	10	50	DIRT_ROAD	5	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
_	50	10	50	DIRT_ROAD	10	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Night Night	50	10	50	DIRT_ROAD	15	0.75	0.90	1.20	2.7	3.2	4.3	1.7	2.0	2.7
Night	50	10	50	DIRT_ROAD	20	0.60	0.75	1.00	2.2	2.7	3.6	1.3	1.7	2.2
Night	50	10	50	DIRT_ROAD	30	0.40	0.75	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Night	50	10	50	DIRT_ROAD	40	0.30	0.40	0.75	1.1	1.4	2.0	0.5	0.9	1.2
Night			50	DIRT_ROAD	50	0.30	0.40	0.55	0.9	1.1	1.6	0.7	0.5	1.0
Night	50 50	10 10	50	LOOSE_SAND	-50	0.25	0.30	0.45	2.0	2.5	3.2	1.2	1.6	2.0
Night				LOOSE_SAND					2.0	2.5 2.9	3.8	1.5	1.8	2.4
Night	50	10	50	LOOSE_SAND	-4 0	0.65	0.80	1.05		3.2	3.8 4.1	i .	2.0	2.6
Night	50	10	50		-30	0.75	0.90	1.15	2.7			1.7		
Night	50	10	50	LOOSE_SAND	-20	0.90	1.05	1.35	3.2	3.8	4.9	2.0	2.4	3.0
Night	50	10	50	LOOSE_SAND	-15	0.95	1.15	1.40	3.4	4.1	5.0	2.1	2.6	3.1
Night	50	10	50	LOOSE_SAND	-10	1.05	1.25	1.50	3.8	4.5	5.4	2.4	2.8	3.4
Night	50	10	50	LOOSE_SAND	-5	1.15	1.35	1.60	4.1	4.9	5.8	2.6	3.0	3.6
Night	50	10	50	LOOSE_SAND	0	1.25	1.45	1.75	4.5	5.2	6.3	2.8	3.2	3.9
Night	50	10	50	LOOSE_SAND	5	0.80	1.00	1.25	2.9	3.6	4.5	1.8	2.2	2.8
Night	50	10	50	LOOSE_SAND	10	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Night	50	10	50	LOOSE_SAND	15	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Night	50	10	50	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Night	50	10	50	LOOSE_SAND	30	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Night	50	10	50	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Night	50	10	50	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table F-17. Maximum Sustainable Speed, Night, 50% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/h			stainabl niles/hou	
						F	Risk Leve	el	F	lisk Leve	əl	ı	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	50	15	59	BLACK_TOP	-50	0.95	1.15	1.45	3.4	4.1	5.2	2.1	2.6	3.2
Night	50	15	59	BLACK_TOP	-40	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Night	50	15	59	BLACK_TOP	-30	1.20	1.45	1.75	4.3	5.2	6.3	2.7	3.2	3.9
Night	50	15	59	BLACK_TOP	-20	1.35	1.60	1.90	4.9	5.8	6.8	3.0	3.6	4.3
Night	50	15	59	BLACK_TOP	-15	1.45	1.70	2.00	5.2	6.1	7.2	3.2	3.8	4.5
Night	50	15	59	BLACK_TOP	-10	1.55	1.80	2.10	5.6	6.5	7.6	3.5	4.0	4.7
Night	50	15	59	BLACK_TOP	-5	1.65	1.90	2.25	5.9	6.8	8.1	3.7	4.3	5.0
Night	50	15	59	BLACK_TOP	0	1.75	2.00	2.35	6.3	7.2	8.5	3.9	4.5	5.3
Night	50	15	59	BLACK_TOP	5	1.25	1.50	1.85	4.5	5.4	6.7	2.8	3.4	4.1
Night	50	15	59	BLACK_TOP	10	0.95	1.15	1.45	3.4	4.1	5.2	2.1	2.6	3.2
Night	50	15	59	BLACK_TOP	15	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Night	50	15	59	BLACK_TOP	20	0.55	0.75	0.95	2.0	2.7	3.4	1.2	1.7	2.1
Night	50	15	59	BLACK_TOP	30	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Night	50	15	59	BLACK_TOP	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Night	50	15	59	BLACK_TOP	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Night	50	15	59	DIRT_ROAD	-50	0.85	1.10	1.35	3.1	4.0	4.9	1.9	2.5	3.0
Night	50	15	59	DIRT_ROAD	-40	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Night	50	15	59	DIRT_ROAD	-30	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Night	50	15	59	DIRT_ROAD	-20	1.25	1.50	1.80	4.5	5.4	6.5	2.8	3.4	4.0
Night	50	15	59	DIRT_ROAD	-15	1.35	1.60	1.90	4.9	5.8	6.8	3.0	3.6	4.3
Night	50	15	59	DIRT_ROAD	-10	1.45	1.70	2.00	5.2	6.1	7.2	3.2	3.8	4.5
Night	50	15	59	DIRT_ROAD	-5	1.55	1.80	2.10	5.6	6.5	7.6	3.5	4.0	4.7
Night	50	15	59	DIRT_ROAD	O	1.65	1.95	2.25	5.9	7.0	8.1	3.7	4.4	5.0
Night	50	15	59	DIRT_ROAD	5	1.20	1.45	1.70	4.3	5.2	6.1	2.7	3.2	3.8
Night	50	15	59	DIRT_ROAD	10	0.85	1.10	1.35	3.1	4.0	4.9	1.9	2.5	3.0
Night	50	15	59	DIRT_ROAD	15	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Night	50	15	59	DIRT_ROAD	20	0.50	0.70	0.90	1.8	2.5	3.2	1.1	1.6	2.0
Night	50	15	59	DIRT_ROAD	30	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Night	50	15	59	DIRT_ROAD	40	0.25	0.35	0.50	0.9	1.3	1.8	0.6	8.0	1.1
Night	50	15	59	DIRT_ROAD	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	50	15	59	LOOSE_SAND	-50	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Night	50	15	59	LOOSE_SAND	-40	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Night	50	15	59	LOOSE_SAND	-30	0.70	0.85	1.05	2.5	3.1	3.8	1.6	1.9	2.4
Night	50	15	59	LOOSE_SAND	-20	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Night	50	15	59	LOOSE_SAND	-15	0.90	1.10	1.30	3.2	4.0	4.7	2.0	2.5	2.9
Night	50	15	59	LOOSE_SAND	-10	1.00	1.15	1.40	3.6	4.1	5.0	2.2	2.6	3.1
Night	50	15	59	LOOSE_SAND	-5	1.10	1.25	1.50	4.0	4.5	5.4	2.5	2.8	3.4
Night	50	15	59	LOOSE_SAND	0	1.20	1.40	1.60	4.3	5.0	5.8	2.7	3.1	3.6
Night	50	15	59	LOOSE_SAND	5	0.75	0.90	1.10	2.7	3.2	4.0	1.7	2.0	2.5
Night	50	15	59	LOOSE_SAND	10	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Night	50	15	59	LOOSE_SAND	15	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Night	50	15	59	LOOSE_SAND	20	0.30	0.35	0.50	1.1	1.3	1.8	0.7	8.0	1.1
Night	50	15	59	LOOSE_SAND	30	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Night	50	15	59	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	50	15	59	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table F-18. Maximum Sustainable Speed, Night, 50% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainabl meters/l			stainabi niles/hou	
						F	Risk Leve	el	F	Risk Leve	ei i	ı	Risk Lev	el
					-	Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	50	20	68	BLACK_TOP	-50	0.85	1.10	1.30	3.1	4.0	4.7	1.9	2.5	2.9
Night	50	20	6 8	BLACK_TOP	-40	0.95	1.20	1.40	3.4	4.3	5.0	2.1	2.7	3.1
Night	50	20	68	BLACK_TOP	-30	1.10	1.35	1.55	4.0	4.9	5.6	2.5	3.0	3.5
Night	50	20	68	BLACK_TOP	-20	1.25	1.50	1.75	4.5	5.4	6.3	2.8	3.4	3.9
Night	50	20	68	BLACK_TOP	-15	1.35	1.60	1.85	4.9	5.8	6.7	3.0	3.6	4.1
Night	50	20	68	BLACK_TOP	-10	1.45	1.70	1.95	5.2	6.1	7.0	3.2	3.8	4.4
Night	50	20	68	BLACK_TOP	-5	1.55	1.80	2.05	5.6	6.5	7.4	3.5	4.0	4.6
Night	50	20	68	BLACK_TOP	0	1.65	1.90	2.15	5.9	6.8	7.7	3.7	4.3	4.8
Night	50	20	68	BLACK_TOP	5	1.15	1.40	1.65	4.1	5.0	5.9	2.6	3.1	3.7
Night	50	20	68	BLACK_TOP	10	0.85	1.10	1.30	3.1	4.0	4.7	1.9	2.5	2.9
Night	50	20	68	BLACK_TOP	15	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
Night	50	20	68	BLACK_TOP	20	0.50	0.70	0.85	1.8	2.5	3.1	1.1	1.6	1.9
Night	50	20	68	BLACK_TOP	30	0.35	0.50	0.60	1.3	1.8	2.2	0.8	1.1	1.3
Night	50	20	68	BLACK_TOP	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Night	50	20	68	BLACK_TOP	50	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Night	50	20	68	DIRT_ROAD	-50	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Night	50	20	68	DIRT_ROAD	-40	0.90	1.10	1.30	3.2	4.0	4.7	2.0	2.5	2.9
Night	50	20	68	DIRT_ROAD	-30	1.00	1.25	1.45	3.6	4.5	5.2	2.2	2.8	3.2
Night	50	20	68	DIRT_ROAD	-20	1.15	1.40	1.65	4.1	5.0	5.9	2.6	3.1	3.7
Night	50	20	68	DIRT_ROAD	-15	1.25	1.50	1.75	4.5	5.4	6.3	2.8	3.4	3.9
Night	50	20	68	DIRT_ROAD	-10	1.35	1.60	1.85	4.9	5.8	6.7	3.0	3.6	4.1
Night	50	20	68	DIRT_ROAD	-5	1.45	1.70	1.95	5.2	6.1	7.0	3.2	3.8	4.4
Night	50	20	68	DIRT_ROAD	0	1.55	1.85	2.05	5.6	6.7	7.4	3.5	4.1	4.6
Night	50	20	68	DIRT_ROAD	5	1.10	1.35	1.55	4.0	4.9	5.6	2.5	3.0	3.5
Night	50	20	68	DIRT_ROAD	10	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Night	50	20	68	DIRT_ROAD	15	0.60	0.75	0.95	2.2	2.7	3.4	1.3	1.7	2.1
Night	50	20	68	DIRT_ROAD	20	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Night	50	20	68	DIRT_ROAD	30	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
	50	20	68	DIRT_ROAD	40	0.25	0.35	0.40	0.9	1.3	1.4	0.6	0.8	0.9
Night Night	50	20	68	DIRT_ROAD	50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Night		20	68	LOOSE_SAND	-50	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Night	50 50	20	68	LOOSE_SAND	-40	0.45	0.70	0.80	2.0	2.5	2.9	1.2	1.6	1.8
Night				LOOSE_SAND	-30	0.60	0.80	0.95	2.2	2.9	3.4	1.3	1.8	2.1
Night Night	50 50	20 20	68 68	LOOSE_SAND	-20	0.75	0.95	1.10	2.7	3.4	4.0	1.7	2.1	2.5
Night	50	20	68	LOOSE_SAND	-15	0.75	1.00	1.15	3.1	3.6	4.1	1.9	2.2	2.6
_	50	20	68	LOOSE_SAND	-10	0.90	1.10	1.25	3.2	4.0	4.5	2.0	2.5	2.8
Night	50	20	68	LOOSE_SAND	-5	1.00	1.20	1.35	3.6	4.3	4.9	2.2	2.7	3.0
Night		20	68	LOOSE_SAND	0	1.15	1.30	1.50	4.1	4.7	5.4	2.6	2.9	3.4
Night	50			LOOSE_SAND		0.70	0.85		2.5	3.1	3.6	1.6	1.9	2.2
Night	50	20	68		5 10			1.00	1	2.2		1.0	1.3	1.6
Night	50	20	68	LOOSE_SAND	10	0.45	0.60	0.70	1.6		2.5			
Night	50	20	68	LOOSE_SAND	15	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
Night	50	20	68	LOOSE_SAND	20	0.25	0.35	0.40	0.9	1.3	1.4	0.6	0.8	0.9
Night	50	20	68	LOOSE_SAND	30	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Night	50	20	68	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Night	50	20	68	LOOSE_SAND	50	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3

Table F-19. Maximum Sustainable Speed, Night, 50% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainabl meters/l	e Speed nour)		stainabl niles/ho	e Speed ur)
						F	lisk Leve	əl	F	lisk Leve	el	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	50	25	77	BLACK_TOP	-50	0.75	0.95	1.10	2.7	3.4	4.0	1.7	2.1	2.5
Night	50	25	77	BLACK_TOP	-40	0.85	1.05	1.20	3.1	3.8	4.3	1.9	2.4	2.7
Night	50	25	77	BLACK_TOP	-30	1.00	1.20	1.35	3.6	4.3	4.9	2.2	2.7	3.0
Night	50	25	77	BLACK_TOP	-20	1.15	1.35	1.55	4.1	4.9	5.6	2.6	3.0	3.5
Night	50	25	77	BLACK_TOP	-15	1.20	1.45	1.60	4.3	5.2	5.8	2.7	3.2	3.6
Night	50	25	77	BLACK_TOP	-10	1.30	1.55	1.70	4.7	5.6	6.1	2.9	3.5	3.8
Night	50	25	77	BLACK_TOP	- 5	1.40	1.65	1.85	5.0	5.9	6.7	3.1	3.7	4.1
Night	50	25	77	BLACK_TOP	0	1.55	1.80	1.95	5.6	6.5	7.0	3.5	4.0	4.4
Night	50	25	77	BLACK_TOP	5	1.05	1.30	1.45	3.8	4.7	5.2	2.4	2.9	3.2
Night	50	25	77	BLACK_TOP	10	0.75	0.95	1.10	2.7	3.4	4.0	1.7	2.1	2.5
Night	50	25	77	BLACK_TOP	15	0.55	0.75	0.85	2.0	2.7	3.1	1.2	1.7	1.9
Night	50	25	77	BLACK_TOP	20	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Night	50	25	77	BLACK_TOP	30	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Night	50	25	77	BLACK_TOP	40	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Night	50	25	77	BLACK_TOP	50	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Night	50	25	77	DIRT_ROAD	-50	0.70	0.90	1.00	2.5	3.2	3.6	1.6	2.0	2.2
Night	50	25	77	DIRT_ROAD	-40	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Night	50	25	77	DIRT_ROAD	-30	0.90	1.15	1.30	3.2	4.1	4.7	2.0	2.6	2.9
Night	50	25	77	DIRT_ROAD	-20	1.05	1.30	1.45	3.8	4.7	5.2	2.4	2.9	3.2
Night	50	25	77	DIRT_ROAD	-15	1.15	1.40	1.55	4.1	5.0	5.6	2.6	3.1	3.5
Night	50	25	77	DIRT_ROAD	-10	1.25	1.50	1.65	4.5	5.4	5.9	2.8	3.4	3.7
Night	50	25	77	DIRT_ROAD	-5	1.35	1.60	1.75	4.9	5.8	6.3	3.0	3.6	3.9
Night	50	25	77	DIRT_ROAD	0	1.45	1.70	1.85	5.2	6.1	6.7	3.2	3.8	4.1
Night	50	25	77	DIRT_ROAD	5	1.00	1.20	1.35	3.6	4.3	4.9	2.2	2.7	3.0
Night	50	25	77	DIRT_ROAD	10	0.70	0.90	1.00	2.5	3.2	3.6	1.6	2.0	2.2
Night	50	25	77	DIRT_ROAD	15	0.50	0.70	0.80	1.8	2.5	2.9	1.1	1.6	1.8
Night	50	25	77	DIRT_ROAD	20	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Night	50	25	77	DIRT_ROAD	30	0.30	0.35	0.45	1.1	1.3	1.6	0.7	8.0	1.0
Night	50	25	77	DIRT_ROAD	40	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Night	50	25	77	DIRT_ROAD	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	50	25	77	LOOSE_SAND	-50	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Night	50	25	77	LOOSE_SAND	-40	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Night	50	25	77	LOOSE_SAND	-30	0.55	0.70	0.80	2.0	2.5	2.9	1.2	1.6	1.8
Night	50	25	77	LOOSE_SAND	-20	0.70	0.85	0.95	2.5	3.1	3.4	1.6	1.9	2.1
Night	50	25	77	LOOSE_SAND	-15	0.75	0.90	1.05	2.7	3.2	3.8	1.7	2.0	2.4
Night	50	25	77	LOOSE_SAND	-10	0.85	1.00	1.10	3.1	3.6	4.0	1.9	2.2	2.5
Night	50	25	77	LOOSE_SAND	-5	0.95	1.10	1.20	3.4	4.0	4.3	2.1	2.5	2.7
Night	50	25	77	LOOSE_SAND	0	1.05	1.20	1.35	3.8	4.3	4.9	2.4	2.7	3.0
Night	50	25	77	LOOSE_SAND	5	0.60	0.75	0.85	2.2	2.7	3.1	1.3	1.7	1.9
Night	50	25	77	LOOSE_SAND	10	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Night	50	25	77	LOOSE_SAND	15	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
Night	50	25	77	LOOSE_SAND	20	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Night	50	25	77	LOOSE_SAND	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	50	25	77	LOOSE_SAND	40	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
Night	50	25	77	LOOSE_SAND	50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3

Table F-20. Maximum Sustainable Speed, Night, 50% Humidity, 30°C (86°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	ters/sec	ond)		meters/f	nour)	(n	niles/hou	ır)
						F	Risk Leve	i	F	lisk Leve	əl	F	lisk Lev	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	50	30	86	BLACK_TOP	-50	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
Night	50	30	86	BLACK_TOP	-40	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
Night	50	30	86	BLACK_TOP	-30	0.90	1.00	1.15	3.2	3.6	4.1	2.0	2.2	2.6
Night	50	30	86	BLACK_TOP	-20	1.00	1.15	1.30	3.6	4.1	4.7	2.2	2.6	2.9
Night	50	30	86	BLACK_TOP	-15	1.10	1.25	1.35	4.0	4.5	4.9	2.5	2.8	3.0
Night	50	30	86	BLACK_TOP	-10	1.20	1.35	1.45	4.3	4.9	5.2	2.7	3.0	3.2
Night	50	30	86	BLACK_TOP	-5	1.30	1.45	1.60	4.7	5.2	5.8	2.9	3.2	3.6
Night	50	30	86	BLACK_TOP	0	1.40	1.55	1.70	5.0	5.6	6.1	3.1	3.5	3.8
Night	50	30	86	BLACK_TOP	5	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
Night	50	30	86	BLACK_TOP	10	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
Night	50	30	86	BLACK_TOP	15	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Night	50	30	86	BLACK_TOP	20	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
Night	50	30	86	BLACK_TOP	30	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	8.0
Night	50	30	86	BLACK_TOP	40	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Night	50	30	86	BLACK_TOP	50	0.15	0.20	0.20	0.5	0.7	0.7	0.3	0.4	0.4
Night	50	30	86	DIRT_ROAD	-50	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Night	50	30	86	DIRT_ROAD	-40	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
Night	50	30	86	DIRT_ROAD	-30	0.80	0.95	1.05	2.9	3.4	3.8	1.8	2.1	2.4
Night	50	30	86	DIRT_ROAD	-20	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
Night	50	30	86	DIRT_ROAD	-15	1.05	1.15	1.30	3.8	4.1	4.7	2.4	2.6	2.9
Night	50	30	86	DIRT_ROAD	-10	1.15	1.25	1.40	4.1	4.5	5.0	2.6	2.8	3.1
Night	50	30	86	DIRT_ROAD	-5	1.25	1.35	1.50	4.5	4.9	5.4	2.8	3.0	3.4
Night	50	30	86	DIRT_ROAD	0	1.35	1.45	1.60	4.9	5.2	5.8	3.0	3.2	3.6
Night	50	30	86	DIRT_ROAD	5	0.90	1.00	1.15	3.2	3.6	4.1	2.0	2.2	2.6
Night	50	30	86	DIRT_ROAD	10	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Night	50	30	86	DIRT_ROAD	15	0.45	0.55	0.60	1.6	2.0	2.2	1.0	1.2	1.3
Night	50	30	86	DIRT_ROAD	20	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Night	50	30	86	DIRT_ROAD	30	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Night	50	30	86	DIRT_ROAD	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	50	30	86	DIRT_ROAD	50	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Night	50	30	86	LOOSE_SAND	-50	0.35	0.40	0.45	1.3	1.4	1.6	0.8	0.9	1.0
Night	50	30	86	LOOSE_SAND	-40	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
Night	50	30	86	LOOSE_SAND	-30	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Night	50	30	86	LOOSE_SAND	-20	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Night	50	30	86	LOOSE_SAND	-15	0.70	0.75	0.85	2.5	2.7	3.1	1.6	1.7	1.9
Night	50	30	86	LOOSE_SAND	-10	0.75	0.85	0.95	2.7	3.1	3.4	1.7	1.9	2.1
Night	50	30	86	LOOSE_SAND	-5	0.85	0.95	1.05	3.1	3.4	3.8	1.9	2.1	2.4
Night	50	30	86	LOOSE_SAND	0	0.95	1.05	1.15	3.4	3.8	4.1	2.1	2.4	2.6
Night	50	30	86	LOOSE_SAND	5	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
Night	50	30	86	LOOSE_SAND	10	0.35	0.40	0.45	1.3	1.4	1.6	0.8	0.9	1.0
Night	50	30	86	LOOSE_SAND	15	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Night	50	30	86	LOOSE_SAND	20	0.20	0.20	0.25	0.7	0.7	0.9	0.4	0.4	0.6
Night	50	30	86	LOOSE_SAND	30	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
Night	50	30	86	LOOSE_SAND	40	0.10	0.10	0.10	0.4	0.4	0.4	0.2	0.2	0.2
Night	50	30	86	LOOSE_SAND	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2

Table F-21. Maximum Sustainable Speed, Night, 50% Humidity, 35°C (95°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainable ters/sec	ond)	(kilo	meters/h	nour)	(r	stainabl niles/hou	Jr)
						F	Risk Leve	∍l	F	lisk Leve	əl	1	Risk Leve	ei
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	50	35	95	BLACK_TOP	-50	0.45	0.50	0.65	1.6	1.8	2.3	1.0	1.1.	1.5
Night	50	35	95	BLACK_TOP	-40	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
Night	50	35	95	BLACK_TOP	-30	0.65	0.70	0.85	2.3	2.5	3.1	1.5	1.6	1.9
Night	50	35	95	BLACK_TOP	-20	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
Night	50	35	95	BLACK_TOP	-15	0.85	0.90	1.05	3.1	3.2	3.8	1.9	2.0	2.4
Night	50	35	95	BLACK_TOP	-10	0.95	1.00	1.15	3.4	3.6	4.1	2.1	2.2	2.6
Night	50	35	9 5	BLACK_TOP	<i>-</i> 5	1.05	1.10	1.25	3.8	4.0	4.5	2.4	2.5	2.8
Night	50	35	95	BLACK_TOP	0	1.15	1.20	1.35	4.1	4.3	4.9	2.6	2.7	3.0
Night	50	35	95	BLACK_TOP	5	0.70	0.75	0.90	2.5	2.7	3.2	1.6	1.7	2.0
Night	50	35	95	BLACK_TOP	10	0.45	0.50	0.65	1.6	1.8	2.3	1.0	1.1	1.5
Night	50	35	95	BLACK_TOP	15	0.35	0.35	0.45	1.3	1.3	1.6	0.8	8.0	1.0
Night	50	35	95	BLACK_TOP	20	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Night	50	35	95	BLACK_TOP	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	50	35	95	BLACK_TOP	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Night	50	35	95	BLACK_TOP	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Night	50	35	95	DIRT_ROAD	-50	0.40	0.45	0.60	1.4	1.6	2.2	0.9	1.0	1.3
Night	50	35	95	DIRT_ROAD	-40	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Night	50	35	95	DIRT_ROAD	-30	0.60	0.65	0.80	2.2	2.3	2.9	1.3	1.5	1.8
Night	50	35	95	DIRT_ROAD	-20	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
Night	50	35	95	DIRT_ROAD	-15	0.80	0.85	1.00	2.9	3.1	3.6	1.8	1.9	2.2
Night	50	35	95	DIRT_ROAD	-10	0.85	0.95	1.10	3.1	3.4	4.0	1.9	2.1	2.5
Night	50	35	95	DIRT_ROAD	-5	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
Night	50	35	95	DIRT_ROAD	0	1.10	1.15	1.30	4.0	4.1	4.7	2.5	2.6	2.9
Night	50	35	95	DIRT_ROAD	5	0.65	0.70	0.85	2.3	2.5	3.1	1.5	1.6	1.9
Night	50	35	95	DIRT_ROAD	10	0.40	0.45	0.60	1.4	1.6	2.2	0.9	1.0	1.3
Night	50	35	95	DIRT_ROAD	15	0.30	0.35	0.40	1.1	1.3	1.4	0.7	0.8	0.9
Night	50	35	95	DIRT_ROAD	20	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Night	50	35	95	DIRT_ROAD	30	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Night	50	35	95	DIRT_ROAD	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Night	50	35	95	DIRT_ROAD	50	0.10	0.10	0.10	0.4	0.4	0.4	0.2	0.2	0.2
Night	50	35	95	LOOSE_SAND	-50	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Night	50	35	95	LOOSE_SAND	-40	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Night	50	35	95	LOOSE_SAND	-30	0.35	0.40	0.45	1.3	1.4	1.6	0.8	0.9	1.0
Night	50	35	95	LOOSE_SAND	-20	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Night	50	35	95	LOOSE_SAND	-15	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Night	50	35	95	LOOSE_SAND	-10	0.60	0.65	0.75	2.2	2.3	2.7	1.3	1.5	1.7
Night	50	35	95	LOOSE_SAND	-5	0.65	0.70	0.85	2.3	2.5	3.1	1.5	1.6	1.9
Night	50	35	95	LOOSE_SAND	0	0.80	0.85	0.95	2.9	3.1	3.4	1.8	1.9	2.1
Night	50	35	95	LOOSE_SAND	5	0.40	0.40	0.50	1.4	1.4	1.8	0.9	0.9	1.1
Night	50	35	95	LOOSE_SAND	10	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Night	50	35	95	LOOSE_SAND	15	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Night	50	35	95	LOOSE_SAND	20	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
Night	50	35	95	LOOSE_SAND	30	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Night	50	35	95	LOOSE_SAND	40	0.05	0.10	0.10	0.2	0.2	0.2	0.1	0.1	0.1
Night	50	35	95	LOOSE_SAND	50	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1

Table F-22. Maximum Sustainable Speed, Night, 75% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec	•		stainable meters/h		Max Su (n	stainabl niles/hou	
						F	lisk Leve	el	F	lisk Leve	el	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	75	5	41	BLACK_TOP	-50	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Night	7 5	5	41	BLACK_TOP	-40	1.20	1.45	1.75	4.3	5.2	6.3	2.7	3.2	3.9
Night	75	5	41	BLACK_TOP	-30	1.30	1.60	1.90	4.7	5.8	6.8	2.9	3.6	4.3
Night	75	5	41	BLACK_TOP	-20	1.50	1.80	2.10	5.4	6.5	7.6	3.4	4.0	4.7
Night	75	5	41	BLACK_TOP	-15	1.60	1.90	2.20	5.8	6.8	7.9	3.6	4.3	4.9
Night	75	5	41	BLACK_TOP	-10	1.70	2.00	2.30	6.1	7.2	8.3	3.8	4.5	5.2
Night	75	5	41	BLACK_TOP	-5	1.80	2.10	2.40	6.5	7.6	8.6	4.0	4.7	5.4
Night	75	5	41	BLACK_TOP	0	1.90	2.20	2.50	6.8	7.9	9.0	4.3	4.9	5.6
Night	75	5	41	BLACK_TOP	5	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Night	75	5	41	BLACK_TOP	10	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Night	75	5	41	BLACK_TOP	15	0.80	1.05	1.30	2.9	3.8	4.7	1.8	2.4	2.9
Night	7 5	5	41	BLACK_TOP	20	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Night	75	5	41	BLACK_TOP	30	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Night	75	5	41	BLACK_TOP	40	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Night	75	5	41	BLACK_TOP	50	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Night	75	5	41	DIRT_ROAD	-50	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Night	75	5	41	DIRT_ROAD	-40	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Night	75	5	41	DIRT_ROAD	-30	1.25	1.50	1.80	4.5	5.4	6.5	2.8	3.4	4.0
Night	75	5	41	DIRT_ROAD	-20	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Night	75	5	41	DIRT_ROAD	-15	1.50	1.80	2.10	5.4	6.5	7.6	3.4	4.0	4.7
Night	75	5	41	DIRT_ROAD	-10	1.60	1.90	2.20	5.8	6.8	7.9	3.6	4.3	4.9
Night	75	5	41	DIRT_ROAD	-5	1.70	2.00	2.30	6.1	7.2	8.3	3.8	4.5	5.2
Night	75	5	41	DIRT_ROAD	0	1.80	2.10	2.40	6.5	7.6	8.6	4.0	4.7	5.4
Night	75	5	41	DIRT_ROAD	5	1.30	1.60	1.90	4.7	5.8	6.8	2.9	3.6	4.3
Night	75	5	41	DIRT_ROAD	10	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Night	75	5	41	DIRT_ROAD	15	0.75	1.00	1.20	2.7	3.6	4.3	1.7	2.2	2.7
Night	75	5	41	DIRT_ROAD	20	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Night	75	5	41	DIRT_ROAD	30	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Night	75	5	41	DIRT_ROAD	40	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
Night	75	5	41	DIRT_ROAD	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Night	75	5	41	LOOSE_SAND	-50	0.55	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Night	75	5	41	LOOSE_SAND	-40	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Night	75	5	41	LOOSE_SAND	-30	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Night	75	5	41	LOOSE_SAND	-20	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
Night	75	5	41	LOOSE_SAND	-15	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Night	75	5	41	LOOSE_SAND	-10	1.10	1.30	1.50	4.0	4.7	5.4	2.5	2.9	3.4
Night	75	5	41	LOOSE_SAND	-5	1.20	1.40	1.60	4.3	5.0	5.8	2.7	3.1	3.6
Night	75	5	41	LOOSE_SAND	0	1.30	1.50	1.75	4.7	5.4	6.3	2.9	3.4	3.9
Night	75	5	41	LOOSE_SAND	5	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Night	75	5	41	LOOSE_SAND	10	0.55	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Night	75	5	41	LOOSE_SAND	15	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Night	75	5	41	LOOSE_SAND	20	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
Night	75	5	41	LOOSE_SAND	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	7 5	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Night	7 5	5	41	LOOSE_SAND	50	0.13	0.15	0.30	0.4	0.5	0.9	0.3	0.3	0.6

Table F-23. Maximum Sustainable Speed, Night, 75% Humidity, 10°C (50°F)

Γ	Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco			stainable meters/f		(1	ıstainabl niles/hot	ır)
1							F	lisk Leve	əl		Risk Leve	əl	1	Risk Lev	el
							Low	Mod	High	Low	Mod	High	Low	Mod	High
H	Night	75	10	50	BLACK_TOP	-50	1.00	1.25	1.55	3.6	4.5	5.6	2.2	2.8	3.5
	Night	75	10	50	BLACK_TOP	-40	1.10	1.35	1.70	4.0	4.9	6.1	2.5	3.0	3.8
ŀ	Night	75	10	50	BLACK_TOP	-30	1.25	1.50	1.85	4.5	5.4	6.7	2.8	3.4	4.1
ŀ	Night	75	10	50	BLACK_TOP	-20	1.45	1.70	2.00	5.2	6.1	7.2	3.2	3.8	4.5
	Night	75	10	50	BLACK_TOP	-15	1.50	1.80	2.10	5.4	6.5	7.6	3.4	4.0	4.7
	Night	75	10	50	BLACK_TOP	-10	1.60	1.90	2.20	5.8	6.8	7.9	3.6	4.3	4.9
1	Night	75	10	50	BLACK_TOP	-5	1.70	2.00	2.35	6.1	7.2	8.5	3.8	4.5	5.3
1	Night	75	10	50	BLACK_TOP	0	1.85	2.10	2.45	6.7	7.6	8.8	4.1	4.7	5.5
1	Night	75	10	50	BLACK_TOP	5	1.35	1.60	1.95	4.9	5.8	7.0	3.0	3.6	4.4
ı	Night	75	10	50	BLACK_TOP	10	1.00	1.25	1.55	3.6	4.5	5.6	2.2	2.8	3.5
ı	Night	75	10	50	BLACK_TOP	15	0.80	1.00	1.25	2.9	3.6	4.5	1.8	2.2	2.8
ı	Night	75	10	50	BLACK_TOP	20	0.65	0.80	1.05	2.3	2.9	3.8	1.5	1.8	2.4
	Night	75	10	50	BLACK_TOP	30	0.45	0.55	0.75	1.6	2.0	2.7	1.0	1.2	1.7
İ	Night	75	10	50	BLACK_TOP	40	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
	Night	.75	10	50	BLACK_TOP	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
l	Night	75	10	50	DIRT_ROAD	-50	0.95	1.15	1.45	3.4	4.1	5.2	2.1	2.6	3.2
	Night	75	10	50	DIRT_ROAD	-40	1.05	1.30	1.55	3.8	4.7	5.6	2.4	2.9	3.5
	Night	75	10	50	DIRT_ROAD	-30	1.20	1.40	1.75	4.3	5.0	6.3	2.7	3.1	3.9
	Night	75	10	50	DIRT_ROAD	-20	1.35	1.60	1.90	4.9	5.8	6.8	3.0	3.6	4.3
1	Night	75	10	50	DIRT_ROAD	-15	1.45	1.70	2.00	5.2	6.1	7.2	3.2	3.8	4.5
ł	Night	75	10	50	DIRT_ROAD	-10	1.55	1.80	2.10	5.6	6.5	7.6	3.5	4.0	4.7
l	Night	75	10	50	DIRT_ROAD	-5	1.65	1.90	2.20	5.9	6.8	7.9	3.7	4.3	4.9
l	Night	75	10	50	DIRT_ROAD	0	1.75	2.00	2.35	6.3	7.2	8.5	3.9	4.5	5.3
ı	Night	75	10	50	DIRT_ROAD	5	1.25	1.50	1.80	4.5	5.4	6.5	2.8	3.4	4.0
ı	Night	75	10	50	DIRT_ROAD	10	0.95	1.15	1.45	3.4	4.1	5.2	2.1	2.6	3.2
	Night	75	10	50	DIRT_ROAD	15	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
	Night	75	10	50	DIRT_ROAD	20	0.55	0.75	0.95	2.0	2.7	3.4	1.2	1.7	2.1
ı	Night	75	10	50	DIRT_ROAD	30	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
ı	Night	7 5	10	50	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
	Night	75	10	50	DIRT_ROAD	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
	Night	75	10	50	LOOSE_SAND	-50	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
ı	Night	75	10	50	LOOSE_SAND	-40	0.65	0.80	1.00	2.3	2.9	3.6	1.5	1.8	2.2
١	Night	75	10	50	LOOSE_SAND	-30	0.75	0.90	1.10	2.7	3.2	4.0	1.7	2.0	2.5
	Night	75	10	50	LOOSE_SAND	-20	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
ı	Night	75	10	50	LOOSE_SAND	-15	0.95	1.15	1.35	3.4	4.1	4.9	2.1	2.6	3.0
l	Night	75	10	50	LOOSE_SAND	-10	1.05	1.25	1.45	3.8	4.5	5.2	2.4	2.8	3.2
1	Night	75	10	50	LOOSE_SAND	-5	1.15	1.35	1.55	4.1	4.9	5.6	2.6	3.0	3.5
	Night	75	10	50	LOOSE_SAND	0	1.25	1.45	1.70	4.5	5.2	6.1	2.8	3.2	3.8
1	Night	75	10	50	LOOSE_SAND	5	0.80	0.95	1.20	2.9	3.4	4.3	1.8	2.1	2.7
	Night	75	10	50	LOOSE_SAND	10	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
1	Night	75	10	50	LOOSE_SAND	15	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
1	Night	75	10	50	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
1	Night	75	10	50	LOOSE_SAND	30	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
	Night	75	10	50	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
	Night	75	10	50	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table F-24. Maximum Sustainable Speed, Night, 75% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec		Max Su (kilo	stainable meters/h			stainabl niles/hou	e Speed ır)
						F	lisk Lev	el	F	lisk Leve	əl	F	lisk Lev	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	75	15	59	BLACK_TOP	-50	0.90	1.15	1.35	3.2	4.1	4.9	2.0	2.6	3.0
Night	75	15	59	BLACK_TOP	-40	1.05	1.25	1.50	3.8	4.5	5.4	2.4	2.8	3.4
Night	75	15	59	BLACK_TOP	-30	1.15	1.40	1.65	4.1	5.0	5.9	2.6	3.1	3.7
Night	75	15	59	BLACK_TOP	-20	1.35	1.60	1.85	4.9	5.8	6.7	3.0	3.6	4.1
Night	75	15	59	BLACK_TOP	-15	1.40	1.70	1.95	5.0	6.1	7.0	3.1	3.8	4.4
Night	75	15	59	BLACK_TOP	-10	1.50	1.80	2.05	5.4	6.5	7.4	3.4	4.0	4.6
Night	75	15	59	BLACK_TOP	-5	1.60	1.90	2.15	5.8	6.8	7.7	3.6	4.3	4.8
Night	75	15	59	BLACK_TOP	0	1.75	2.00	2.25	6.3	7.2	8.1	3.9	4.5	5.0
Night	75	15	59	BLACK_TOP	5	1.25	1.50	1.75	4.5	5.4	6.3	2.8	3.4	3.9
Night	75	15	59	BLACK_TOP	10	0.90	1.15	1.35	3.2	4.1	4.9	2.0	2.6	3.0
Night	75	15	59	BLACK_TOP	15	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Night	75	15	59	BLACK_TOP	20	0.55	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Night	75	15	59	BLACK_TOP	30	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Night	75	15	59	BLACK_TOP	40	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Night	75	15	59	BLACK_TOP	50	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Night	75	15	59	DIRT_ROAD	-50	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Night	75	15	59	DIRT_ROAD	-40	0.95	1.20	1.40	3.4	4.3	5.0	2.1	2.7	3.1
Night	75	15	59	DIRT_ROAD	-30	1.10	1.35	1.55	4.0	4.9	5.6	2.5	3.0	3.5
Night	75	15	59	DIRT_ROAD	-20	1.25	1.50	1.75	4.5	5.4	6.3	2.8	3.4	3.9
Night	75	15	59	DIRT_ROAD	-15	1.35	1.60	1.80	4.9	5.8	6.5	3.0	3.6	4.0
Night	75	15	59	DIRT_ROAD	-10	1.45	1.70	1.90	5.2	6.1	6.8	3.2	3.8	4.3
Night	75	15	59	DIRT_ROAD	-5	1.55	1.80	2.05	5.6	6.5	7.4	3.5	4.0	4.6
Night	75	15	59	DIRT_ROAD	0	1.65	1.90	2.15	5.9	6.8	7.7	3.7	4.3	4.8
Night	75	15	59	DIRT_ROAD	5	1.15	1.40	1.65	4.1	5.0	5.9	2.6	3.1	3.7
Night	75	15	59	DIRT_ROAD	10	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Night	75	15	59	DIRT_ROAD	15	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
Night	75	15	59	DIRT_ROAD	20	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Night	75	15	59	DIRT_ROAD	30	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Night	75	15	59	DIRT_ROAD	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Night	75	15	59	DIRT_ROAD	50	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	8.0
Night	75	15	59	LOOSE_SAND	-50	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
Night	75	15	59	LOOSE_SAND	-40	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Night	75	15	59	LOOSE_SAND	-30	0.70	0.85	1.00	2.5	3.1	3.6	1.6	1.9	2.2
Night	75	15	59	LOOSE_SAND	-20	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Night	75	15	59	LOOSE_SAND	-15	0.90	1.05	1.25	3.2	3.8	4.5	2.0	2.4	2.8
Night	75	15	59	LOOSE_SAND	-10	1.00	1.15	1.35	3.6	4.1	4.9	2.2	2.6	3.0
Night	75	15	59	LOOSE_SAND	-5	1.10	1.25	1.45	4.0	4.5	5.2	2.5	2.8	3.2
Night	75	15	59	LOOSE_SAND	0	1.20	1.35	1.55	4.3	4.9	5.6	2.7	3.0	3.5
Night	75	15	59	LOOSE_SAND	5	0.75	0.90	1.05	2.7	3.2	3.8	1.7	2.0	2.4
Night	75	15	59	LOOSE_SAND	10	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
Night	75	15	59	LOOSE_SAND	15	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Night	75	15	59	LOOSE_SAND	20	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Night	75	15	59	LOOSE_SAND	30	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Night	75	15	59	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	75	15	59	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table F-25. Maximum Sustainable Speed, Night, 75% Humidity, 20°C (68°F)

Cloud	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/l			stainabi niles/hou	
						F	lisk Leve	el	F	Risk Leve	el	F	isk Lev	ei
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	75	20	68	BLACK_TOP	-50	0.85	1.05	1.15	3.1	3.8	4.1	1.9	2.4	2.6
Night	7 5	20	68	BLACK_TOP	-40	0.95	1.15	1.30	3.4	4.1	4.7	2.1	2.6	2.9
Night	75	20	68	BLACK_TOP	-30	1.05	1.30	1.45	3.8	4.7	5.2	2.4	2.9	3.2
Night	75	20	68	BLACK_TOP	-20	1.20	1.45	1.60	4.3	5.2	5.8	2.7	3.2	3.6
Night	75	20	68	BLACK_TOP	-15	1.30	1.55	1.70	4.7	5.6	6.1	2.9	3.5	3.8
Night	75	20	68	BLACK_TOP	-10	1.40	1.65	1.80	5.0	5.9	6.5	3.1	3.7	4.0
Night	75	20	68	BLACK_TOP	-5	1.50	1.75	1.90	5.4	6.3	6.8	3.4	3.9	4.3
Night	75	20	68	BLACK_TOP	0	1.60	1.85	2.05	5.8	6.7	7.4	3.6	4.1	4.6
Night	75	20	68	BLACK_TOP	5	1.15	1.35	1.55	4.1	4.9	5.6	2.6	3.0	3.5
Night	75	20	68	BLACK_TOP	10	0.85	1.05	1.15	3.1	3.8	4.1	1.9	2.4	2.6
Night	75	20	68	BLACK_TOP	15	0.65	0.80	0.90	2.3	2.9	3.2	1.5	1.8	2.0
Night	75	20	68	BLACK_TOP	20	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
Night	75	20	68	BLACK_TOP	30	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Night	75	20	68	BLACK_TOP	40	0.25	0.35	0.40	0.9	1.3	1.4	0.6	0.8	0.9
Night	75	20	68	BLACK_TOP	50	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Night	75	20	68	DIRT_ROAD	-50	0.75	0.95	1.10	2.7	3.4	4.0	1.7	2.1	2.5
Night	75 75	20	68	DIRT_ROAD	-40	0.85	1.10	1.20	3.1	4.0	4.3	1.9	2.5	2.7
-	75 75	20	68	DIRT_ROAD	-30	1.00	1.20	1.35	3.6	4.3	4.9	2.2	2.7	3.0
Night	75 75	20	68	DIRT_ROAD	-20	1.15	1.35	1.50	4.1	4.9	5.4	2.6	3.0	3.4
Night	75 75	20	68	DIRT_ROAD	-15	1.25	1.45	1.60	4.5	5.2	5.8	2.8	3.2	3.6
Night			68	DIRT_ROAD	-10	1.35	1.55	1.70	4.9	5.6	6.1	3.0	3.5	3.8
Night	75 75	20	68	DIRT_ROAD	-10 -5	1.45	1.65	1.80	5.2	5.9	6.5	3.2	3.7	4.0
Night	75	20		DIRT_ROAD	0	1.55	1.80	1.95	5.6	6.5	7.0	3.5	4.0	4.4
Night	75	20	68	DIRT_ROAD	5	1.05	1.30	1.45	3.8	4.7	5.2	2.4	2.9	3.2
Night	75	20	68	DIRT_ROAD	10	0.75	0.95	1.10	2.7	3.4	4.0	1.7	2.1	2.5
Night	75	20	68			l	0.95	0.85	2.2	2.7	3.1	1.3	1.7	1.9
Night	75 	20	68	DIRT_ROAD	15	0.60		0.70	1.6	2.2	2.5	1.0	1.3	1.6
Night	75	20	68	DIRT_ROAD	20	0.45	0.60	0.70	1.0	1.4	1.8	0.7	0.9	1.1
Night	75	20	68	DIRT_ROAD	30	0.30	0.40	0.35	0.9	1.1	1.3	0.7	0.5	0.8
Night	75	20	68	DIRT_ROAD	40	0.25	0.30			0.9	1.1	0.6	0.6	0.7
Night	75	20	68	DIRT_ROAD	50	0.20	0.25	0.30	0.7		2.3		1.2	1.5
Night	75	20	68	LOOSE_SAND	-50	0.45	0.55	0.65	1.6	2.0		1.0	1.5	1.7
Night	75	20	68	LOOSE_SAND	-40	0.50	0.65	0.75	1.8	2.3	2.7	1.3	1.7	1.9
Night	75	20	68	LOOSE_SAND	-30	0.60	0.75	0.85	2.2	2.7	3.1	1		2.2
Night	75	20	68	LOOSE_SAND	-20	0.75	0.90	1.00	2.7	3.2	3.6	1.7	2.0	
Night	7 5	20	68	LOOSE_SAND	-15	0.80	1.00	1.10	2.9	3.6	4.0	1.8	2.2	2.5
Night	75	20	68	LOOSE_SAND	-10	0.90	1.05	1.20	3.2	3.8	4.3	2.0	2.4	2.7
Night	75	20	68	LOOSE_SAND	-5	1.00	1.15	1.30	3.6	4.1	4.7	2.2	2.6	2.9
Night	75	20	68	LOOSE_SAND	0	1.10	1.30	1.40	4.0	4.7	5.0	2.5	2.9	3.1
Night	75	20	68	LOOSE_SAND	5	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
Night	75	20	68	LOOSE_SAND	10	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Night	75	20	68	LOOSE_SAND	15	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Night	75	20	68	LOOSE_SAND	20	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Night	75	20	68	LOOSE_SAND	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	75	20	68	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Night	75	20	68	LOOSE_SAND	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3

Table F-26. Maximum Sustainable Speed, Night, 75% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/f			stainabl niles/hou	
						F	lisk Leve	əl	F	lisk Leve	əl	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	75	25	77	BLACK_TOP	-50	0.75	0.80	0.95	2.7	2.9	3.4	1.7	1.8	2.1
Night	75	25	77	BLACK_TOP	-40	0.85	0.95	1.05	3.1	3.4	3.8	1.9	2.1	2.4
Night	75	25	77	BLACK_TOP	-30	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
Night	75	25	77	BLACK_TOP	-20	1.10	1.20	1.35	4.0	4.3	4.9	2.5	2.7	3.0
Night	75	25	77	BLACK_TOP	-15	1.20	1.30	1.45	4.3	4.7	5.2	2.7	2.9	3.2
Night	75	25	77	BLACK_TOP	-10	1.30	1.40	1.55	4.7	5.0	5.6	2.9	3.1	3.5
Night	75	25	77	BLACK_TOP	-5	1.40	1.50	1.65	5.0	5.4	5.9	3.1	3.4	3.7
Night	75	25	77	BLACK_TOP	0	1.50	1.60	1.75	5.4	5.8	6.3	3.4	3.6	3.9
Night	75	25	77	BLACK_TOP	5	1.05	1.15	1.30	3.8	4.1	4.7	2.4	2.6	2.9
Night	75	25	77	BLACK_TOP	10	0.75	0.80	0.95	2.7	2.9	3.4	1.7	1.8	2.1
Night	75	25	77	BLACK_TOP	15	0.55	0.60	0.75	2.0	2.2	2.7	1.2	1.3	1.7
Night	75	25	77	BLACK_TOP	20	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Night	75	25	77	BLACK_TOP	30	0.30	0.35	0.40	1.1	1.3	1.4	0.7	0.8	0.9
Night	75	25	77	BLACK_TOP	40	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Night	75	25	77	BLACK_TOP	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	75	25	77	DIRT_ROAD	-50	0.70	0.75	0.90	2.5	2.7	3.2	1.6	1.7	2.0
Night	75	25	77	DIRT_ROAD	-40	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
Night	75	25	77	DIRT_ROAD	-30	0.90	1.00	1.10	3.2	3.6	4.0	2.0	2.2	2.5
Night	75	25	77	DIRT_ROAD	-20	1.05	1.15	1.30	3.8	4.1	4.7	2.4	2.6	2.9
Night	75	25	77	DIRT_ROAD	-15	1.15	1.25	1.35	4.1	4.5	4.9	2.6	2.8	3.0
Night	75	25	77	DIRT_ROAD	-10	1.20	1.30	1.45	4.3	4.7	5.2	2.7	2.9	3.2
Night	75	25	77	DIRT_ROAD	-5	1.30	1.40	1.55	4.7	5.0	5.6	2.9	3.1	3.5
Night	75	25	77	DIRT_ROAD	0	1.45	1.55	1.70	5.2	5.6	6.1	3.2	3.5	3.8
Night	75	25	77	DIRT_ROAD	5	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
Night	75	25	77	DIRT_ROAD	10	0.70	0.75	0.90	2.5	2.7	3.2	1.6	1.7	2.0
Night	75	25	77	DIRT_ROAD	15	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Night	75	25	77	DIRT_ROAD	20	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
Night	75	25	77	DIRT_ROAD	30	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Night	75	25	77	DIRT_ROAD	40	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Night	75	25	77	DIRT_ROAD	50	0.15	0.20	0.20	0.5	0.7	0.7	0.3	0.4	0.4
Night	75	25	77	LOOSE_SAND	-50	0.40	0.45	0.50	1.4	1.6	1.8	0.9	1.0	1.1
Night	75	25	77	LOOSE_SAND	-40	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Night	75	25		LOOSE_SAND	-30	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
Night	75	25	77	LOOSE_SAND	-20	0.65	0.75	0.85	2.3	2.7	3.1	1.5	1.7	1.9
Night	75	25	77	LOOSE_SAND	-15	0.75	0.80	0.90	2.7	2.9	3.2	1.7	1.8	2.0
Night	75	25	77	LOOSE_SAND	-10	0.80	0.90	1.00	2.9	3.2	3.6	1.8	2.0	2.2
Night	75	25	77	LOOSE_SAND	-5	0.90	1.00	1.10	3.2	3.6	4.0	2.0	2.2	2.5
Night	75	25	77	LOOSE_SAND	0	1.05	1.10	1.20	3.8	4.0	4.3	2.4	2.5	2.7
Night	75	25	77	LOOSE_SAND	5	0.60	0.65	0.75	2.2	2.3	2.7	1.3	1.5	1.7
Night	75	25	77	LOOSE_SAND	10	0.40	0.45	0.50	1.4	1.6	1.8	0.9	1.0	1.1
Night	75	25	77	LOOSE_SAND	15	0.40	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Night	75	25	77	LOOSE_SAND	20	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Night	75	25	77	LOOSE_SAND	30	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Night	75	25	77	LOOSE_SAND	40	0.10	0.10	0.15	0.4	0.4	0.7	0.3	0.2	0.4
Night	75 75	25	77	LOOSE_SAND	50	0.10	0.10	0.10	0.4	0.4	0.5	0.2	0.2	0.3

Table F-27. Maximum Sustainable Speed, Night, 75% Humidity, 30°C (86°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco		Max Su (kilo	stainable meters/h	e Speed nour)		stainable niles/hou	
0010.	(,,,			,,		F	isk Leve	əl	F	Risk Leve	əi	F	Risk Leve	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	75	30	86	BLACK_TOP	-50	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Night	75	30	86	BLACK_TOP	-40	0.55	0.65	0.75	2.0	2.3	2.7	1.2	1.5	1.7
Night	75	30	86	BLACK_TOP	-30	0.70	0.75	0.90	2.5	2.7	3.2	1.6	1.7	2.0
Night	75	30	86	BLACK_TOP	-20	0.80	0.90	1.05	2.9	3.2	3.8	1.8	2.0	2.4
Night	75	30	86	BLACK_TOP	-15	0.90	1.00	1.10	3.2	3.6	4.0	2.0	2.2	2.5
Night	75	30	86	BLACK_TOP	-10	1.00	1.05	1.20	3.6	3.8	4.3	2.2	2.4	2.7
Night	75	30	86	BLACK_TOP	-5	1.10	1.15	1.30	4.0	4.1	4.7	2.5	2.6	2.9
Night	75	30	86	BLACK_TOP	0	1.20	1.30	1.45	4.3	4.7	5.2	2.7	2.9	3.2
Night	75	30	86	BLACK_TOP	5	0.75	0.80	0.95	2.7	2.9	3.4	1.7	1.8	2.1
=	75 75	30	86	BLACK_TOP	10	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Night	75 75	30	86	BLACK_TOP	15	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Night		30	86	BLACK_TOP	20	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Night	75 		86	BLACK_TOP	30	0.20	0.20	0.25	0.7	0.7	0.9	0.4	0.4	0.6
Night	75 	30		BLACK_TOP	40	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Night	75	30	86	BLACK_TOP	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Night	75	30	86	DIRT_ROAD	-50	0.10	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Night	75	30	86		-30 -40	0.45	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
Night	75	30	86	DIRT_ROAD			0.70	0.85	2.3	2.5	3.1	1.5	1.6	1.9
Night	75	30	86	DIRT_ROAD	-30	0.65		0.95	2.7	3.1	3.4	1.7	1.9	2.1
Night	75	30	86	DIRT_ROAD	-20	0.75	0.85	1.05	3.1	3.2	3.8	1.9	2.0	2.4
Night	75	30	86	DIRT_ROAD	-15	0.85	0.90		1	3.6	4.1	2.0	2.2	2.6
Night	75	30	86	DIRT_ROAD	-10	0.90	1.00	1.15	3.2		4.5	2.2	2.5	2.8
Night	75	30	86	DIRT_ROAD	-5	1.00	1.10	1.25	3.6	4.0	4.9	2.6	2.7	3.0
Night	75	30	86	DIRT_ROAD	0	1.15	1.20	1.35	4.1	4.3			1.7	2.0
Night	75	30	86	DIRT_ROAD	5	0.70	0.75	0.90	2.5	2.7	3.2	1.6		
Night	75	30	86	DIRT_ROAD	10	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Night	75	30	86	DIRT_ROAD	15	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
Night	75	30	86	DIRT_ROAD	20	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Night	75	30	86	DIRT_ROAD	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	75	30	86	DIRT_ROAD	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Night	75	30	86	DIRT_ROAD	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Night	75	30	86	LOOSE_SAND	-50	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	3.0
Night	75	30	86	LOOSE_SAND	-40	0.30	0.35	0.40	1.1	1.3	1.4	0.7	8.0	0.9
Night	7 5	30	86	LOOSE_SAND	-30	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Night	75	30	86	LOOSE_SAND	-20	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Night	75	30	86	LOOSE_SAND	-15	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
Night	75	30	86	LOOSE_SAND	-10	0.60	0.65	0.75	2.2	2.3	2.7	1.3	1.5	1.7
Night	75	30	86	LOOSE_SAND	-5	0.70	0.75	0.85	2.5	2.7	3.1	1.6	1.7	1.9
Night	75	30	86	LOOSE_SAND	0	0.80	0.90	1.00	2.9	3.2	3.6	1.8	2.0	2.2
Night	75	30	86	LOOSE_SAND	5	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
Night	75	30	86	LOOSE_SAND	10	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Night	75	30	86	LOOSE_SAND	15	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	75	30	86	LOOSE_SAND	20	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Night	75	30	86	LOOSE_SAND	30	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Night	75	30	86	LOOSE_SAND	40	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Night	75	30	86	LOOSE_SAND	50	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1

Table F-28. Maximum Sustainable Speed, Night, 75% Humidity, 35°C (95°F)

	loud	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec		Max Su (kilo	stainabl meters/l			stainabl	
							F	lisk Lev	əl	F	lisk Lev	əl	F	lisk Lev	el
							Low	Mod	High	Low	Mod	High	Low	Mod	High
N	light	75	35	95	BLACK_TOP	-50	0.15	0.20	0.35	0.5	0.7	1.3	0.3	0.4	0.8
N	Night	75	35	95	BLACK_TOP	-40	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
N	light	75	35	95	BLACK_TOP	-30	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
N	Night	75	35	95	BLACK_TOP	-20	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
١	light	75	35	95	BLACK_TOP	-15	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
١	light	75	35	95	BLACK_TOP	-10	0.45	0.55	0.75	1.6	2.0	2.7	1.0	1.2	1.7
١	light	75	35	95	BLACK_TOP	-5	0.55	0.65	0.85	2.0	2.3	3.1	1.2	1.5	1.9
N	light	75	35	95	BLACK_TOP	0	0.65	0.75	0.95	2.3	2.7	3.4	1.5	1.7	2.1
١	Night	75	35	95	BLACK_TOP	5	0.30	0.35	0.55	1.1	1.3	2.0	0.7	0.8	1.2
N	Night	75	35	95	BLACK_TOP	10	0.15	0.20	0.35	0.5	0.7	1.3	0.3	0.4	0.8
N	light	75	35	95	BLACK_TOP	15	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
N	light	75	35	95	BLACK_TOP	20	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
	Night	75	35	95	BLACK_TOP	30	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
1	light	75	35	95	BLACK_TOP	40	0.00	0.05	0.10	0.0	0.2	0.4	0.0	0.1	0.2
	light	75	35	95	BLACK_TOP	50	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1
١	Night	75	35	95	DIRT_ROAD	-50	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
١	light	75	35	95	DIRT_ROAD	-40	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
N	light	75	35	95	DIRT_ROAD	-30	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
	Night	75	35	95	DIRT_ROAD	-20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
	light	75	35	95	DIRT_ROAD	-15	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
	light	75	35	95	DIRT_ROAD	-10	0.45	0.55	0.70	1.6	2.0	2.5	1.0	1.2	1.6
	light	75	35	95	DIRT_ROAD	-5	0.50	0.60	0.80	1.8	2.2	2.9	1.1	1.3	1.8
	Night	75	35	95	DIRT_ROAD	0	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
N	light	75	35	95	DIRT_ROAD	5	0.25	0.35	0.50	0.9	1.3	1.8	0.6	8.0	1.1
	light	75	35	95	DIRT_ROAD	10	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
١	light	75	35	95	DIRT_ROAD	15	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
١	light	75	35	95	DIRT_ROAD	20	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
1	light	75	35	95	DIRT_ROAD	30	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
١	light	75	35	95	DIRT_ROAD	40	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1
N	light	75	35	95	DIRT_ROAD	50	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
١	light	75	35	95	LOOSE_SAND	-50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
١	light	75	35	95	LOOSE_SAND	-40	0.10	0.10	0.20	0.4	0.4	0.7	0.2	0.2	0.4
N	light	75	35	95	LOOSE_SAND	-30	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
	light	75	35	95	LOOSE_SAND	-20	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	8.0
	light	75	35	95	LOOSE_SAND	-15	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
	light	75	35	95	LOOSE_SAND	-10	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
	light	75	35	95	LOOSE_SAND	-5	0.35	0.40	0.55	1.3	1.4	2.0	0.8	0.9	1.2
	light	75	35	95	LOOSE_SAND	0	0.45	0.50	0.65	1.6	1.8	2.3	1.0	1.1	1.5
N	light	75	35	95	LOOSE_SAND	5	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
N	light	75	35	95	LOOSE_SAND	10	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
1	light	75	35	95	LOOSE_SAND	15	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
1	light	75	35	95	LOOSE_SAND	20	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1
	light	75	35	95	LOOSE_SAND	30	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
1	light	75	35	95	LOOSE_SAND	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
N	light	75	35	95	LOOSE_SAND	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0

Table F-29. Maximum Sustainable Speed, Night, 95% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec		Max Su (kilo	stainable meters/f			stainabi niles/hou	
						F	Risk Leve	el e	F	Risk Leve	əl	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	95	5	41	BLACK_TOP	-50	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Night	95	5	41	BLACK_TOP	-40	1.15	1.45	1.75	4.1	5.2	6.3	2.6	3.2	3.9
Night	95	5	41	BLACK_TOP	-30	1.30	1.60	1.90	4.7	5.8	6.8	2.9	3.6	4.3
Night	95	5	41	BLACK_TOP	-20	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Night	95	5	41	BLACK_TOP	-15	1.55	1.85	2.20	5.6	6.7	7.9	3.5	4.1	4.9
Night	95	5	41	BLACK_TOP	-10	1.65	1.95	2.30	5.9	7.0	8.3	3.7	4.4	5.2
Night	95	5	41	BLACK_TOP	-5	1.75	2.10	2.40	6.3	7.6	8.6	3.9	4.7	5.4
Night	95	5	41	BLACK_TOP	0	1.90	2.20	2.50	6.8	7.9	9.0	4.3	4.9	5.6
Night	95	5	41	BLACK_TOP	5	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Night	95	5	41	BLACK_TOP	10	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Night	95	5	41	BLACK_TOP	15	0.80	1.05	1.30	2.9	3.8	4.7	1.8	2.4	2.9
Night	95	5	41	BLACK_TOP	20	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Night	95	5	41	BLACK_TOP	30	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Night	95	5	41	BLACK_TOP	40	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Night	95	5	41	BLACK_TOP	50	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Night	95	5	41	DIRT_ROAD	-50	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Night	95	5	41	DIRT_ROAD	-40	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Night	95	5	41	DIRT_ROAD	-30	1.25	1.50	1.80	4.5	5.4	6.5	2.8	3.4	4.0
Night	95	5	41	DIRT_ROAD	-20	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Night	9 5	5	41	DIRT_ROAD	-15	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Night	95	5	41	DIRT_ROAD	-10	1.60	1.85	2.20	5.8	6.7	7.9	3.6	4.1	4.9
Night	9 5	5	41	DIRT_ROAD	-5	1.70	2.00	2.30	6.1	7.2	8.3	3.8	4.5	5.2
Night	95	5	41	DIRT_ROAD	ō	1.80	2.10	2.40	6.5	7.6	8.6	4.0	4.7	5.4
Night	95	5	41	DIRT_ROAD	5	1.30	1.60	1.90	4.7	5.8	6.8	2.9	3.6	4.3
Night	95	5	41	DIRT_ROAD	10	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Night	95	5	41	DIRT_ROAD	15	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Night	95	5	41	DIRT_ROAD	20	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Night	95	5	41	DIRT_ROAD	30	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Night	95	5	41	DIRT_ROAD	40	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
Night	95	5	41	DIRT_ROAD	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Night	95	5	41	LOOSE_SAND	-50	0.55	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Night	95	5	41	LOOSE_SAND	-40	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Night	9 5	5	41	LOOSE_SAND	-30	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Night	95	5	41	LOOSE_SAND	-20	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
Night	9 5	5	41	LOOSE_SAND	-15	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Night	9 5	5	41	LOOSE_SAND	-10	1.10	1.30	1.50	4.0	4.7	5.4	2.5	2.9	3.4
Night	95	5	41	LOOSE_SAND	-5	1.20	1.40	1.60	4.3	5.0	5.8	2.7	3.1	3.6
Night	9 5	5	41	LOOSE_SAND	0	1.30	1.50	1.75	4.7	5.4	6.3	2.9	3.4	3.9
Night	95	5	41	LOOSE_SAND	5	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Night	9 5	5	41	LOOSE_SAND	10	0.55	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Night	9 5	5	41	LOOSE_SAND	15	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Night	95	5	41	LOOSE_SAND	20	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
Night	95	5	41	LOOSE_SAND	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Night	95 95	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
-				LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Night	9 5	5	41	LOUGE_GAIND	50	0.10	0.10	0.23	0.7	0.0	0.5	V.E.		5.0

Table F-30. Maximum Sustainable Speed, Night, 95% Humidity, 10°C (50°F)

Cloud	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/f			stainabl	
						F	lisk Leve	∍l	F	lisk Leve	el	F	Risk Lev	el
					•	Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	95	10	50	BLACK_TOP	-50	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Night	95	10	50	BLACK_TOP	-40	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Night	95	10	50	BLACK_TOP	-30	1.25	1.50	1.80	4.5	5.4	6.5	2.8	3.4	4.0
Night	95	10	50	BLACK_TOP	-20	1.40	1.70	1.95	5.0	6.1	7.0	3.1	3.8	4.4
Night	95	10	50	BLACK_TOP	-15	1.50	1.75	2.05	5.4	6.3	7.4	3.4	3.9	4.6
Night	95	10	50	BLACK_TOP	-10	1.60	1.85	2.15	5.8	6.7	7.7	3.6	4.1	4.8
Night	95	10	50	BLACK_TOP	-5	1.70	2.00	2.30	6.1	7.2	8.3	3.8	4.5	5.2
Night	9 5	10	50	BLACK_TOP	0	1.80	2.10	2.40	6.5	7.6	8.6	4.0	4.7	5.4
Night	95	10	50	BLACK_TOP	5	1.35	1.60	1.90	4.9	5.8	6.8	3.0	3.6	4.3
Night	95	10	50	BLACK_TOP	10	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Night	95	10	50	BLACK_TOP	15	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Night	95	10	50	BLACK_TOP	20	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Night	95	10	50	BLACK_TOP	30	0.45	0.55	0.75	1.6	2.0	2.7	1.0	1.2	1.7
Night	95	10	50	BLACK_TOP	40	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Night	95	10	50	BLACK_TOP	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Night	95	10	50	DIRT_ROAD	-50	0.90	1.15	1.40	3.2	4.1	5.0	2.0	2.6	3.1
Night	95	10	50	DIRT_ROAD	-40	1.05	1.25	1.55	3.8	4.5	5.6	2.4	2.8	3.5
Night	95	10	50	DIRT_ROAD	-30	1.15	1.40	1.70	4.1	5.0	6.1	2.6	3.1	3.8
Night	95	10	50	DIRT_ROAD	-20	1.35	1.60	1.85	4.9	5.8	6.7	3.0	3.6	4.1
Night	95	10	50	DIRT_ROAD	-15	1.40	1.65	1.95	5.0	5.9	7.0	3.1	3.7	4.4
_	95	10	50	DIRT_ROAD	-10	1.50	1.75	2.05	5.4	6.3	7.4	3.4	3.9	4.6
Night	95	10	50	DIRT_ROAD	-10 -5	1.60	1.90	2.15	5.8	6.8	7.7	3.6	4.3	4.8
Night	95	10	50	DIRT_ROAD	0	1.75	2.00	2.30	6.3	7.2	8.3	3.9	4.5	5.2
Night	95	10	50	DIRT_ROAD	5	1.25	1.50	1.75	4.5	5.4	6.3	2.8	3.4	3.9
Night	95	10	50	DIRT_ROAD	10	0.90	1.15	1.40	3.2	4.1	5.0	2.0	2.6	3.1
Night				DIRT_ROAD	15	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Night	95	10	50	DIRT_ROAD	20	0.70	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Night	95	10	50	DIRT_ROAD		0.55	0.75	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Night	95	10	50		30	1			l		1.8	0.9	0.9	1.1
Night	95	10	50	DIRT_ROAD	40	0.30	0.40	0.50	1.1	1.4 1.1		0.7	0.9	0.9
Night	95	10	50	DIRT_ROAD	50	0.25	0.30	0.40	0.9		1.4		1.6	1.9
Night	95	10	50	LOOSE_SAND	-50	0.55	0.70	0.85	2.0	2.5	3.1	1.2		
Night	95	10	50	LOOSE_SAND	-40	0.60	0.80	0.95	2.2	2.9	3.4	1.3	1.8	2.1
Night	95	10	50	LOOSE_SAND	-30	0.75	0.90	1.10	2.7	3.2	4.0	1.7	2.0	2.5 2.8
Night	95	10	50	LOOSE_SAND	-20	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	
Night	9 5	10	50	LOOSE_SAND	-15	0.95	1.15	1.35	3.4	4.1	4.9	2.1	2.6	3.0
Night	95	10	50	LOOSE_SAND	-10	1.05	1.20	1.45	3.8	4.3	5.2	2.4	2.7	3.2
Night	95	10	50	LOOSE_SAND	-5	1.15	1.30	1.55	4.1	4.7	5.6	2.6	2.9	3.5
Night	95	10	50	LOOSE_SAND	0	1.25	1.45	1.65	4.5	5.2	5.9	2.8	3.2	3.7
Night	95	10	50	LOOSE_SAND	5	0.80	0.95	1.15	2.9	3.4	4.1	1.8	2.1	2.6
Night	95	10	50	LOOSE_SAND	10	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Night	95	10	50	LOOSE_SAND	15	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Night	95	10	50	LOOSE_SAND	20	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Night	95	10	50	LOOSE_SAND	30	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Night	95	10	50	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	95	10	50	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table F-31. Maximum Sustainable Speed, Night, 95% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabi ters/sec	e Speed ond)		stainabl meters/l		Max Su (n	stainabl niles/ho	
						F	lisk Lev	el	F	lisk Lev	əl	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	95	15	59	BLACK_TOP	-50	0.90	1.15	1.30	3.2	4.1	4.7	2.0	2.6	2.9
Night	95	15	59	BLACK_TOP	-40	1.00	1.25	1.45	3.6	4.5	5.2	2.2	2.8	3.2
Night	95	15	59	BLACK_TOP	-30	1.15	1.40	1.60	4.1	5.0	5.8	2.6	3.1	3.6
Night.	95	15	59	BLACK_TOP	-20	1.30	1.55	1.75	4.7	5.6	6.3	2.9	3.5	3.9
Night	95	15	59	BLACK_TOP	-15	1.40	1.65	1.85	5.0	5.9	6.7	3.1	3.7	4.1
Night	95	15	59	BLACK_TOP	-10	1.50	1.75	1.95	5.4	6.3	7.0	3.4	3.9	4.4
Night	95	15	59	BLACK_TOP	- 5	1.60	1.85	2.05	5.8	6.7	7.4	3.6	4.1	4.6
Night	95	15	59	BLACK_TOP	0	1.70	2.00	2.20	6.1	7.2	7.9	3.8	4.5	4.9
Night	95	15	59	BLACK_TOP	5	1.25	1.50	1.65	4.5	5.4	5.9	2.8	3.4	3.7
Night	95	15	59	BLACK_TOP	10	0.90	1.15	1.30	3.2	4.1	4.7	2.0	2.6	2.9
Night	95	15	59	BLACK_TOP	15	0.70	0.90	1.05	2.5	3.2	3.8	1.6	2.0	2.4
Night	95	15	59	BLACK_TOP	20	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Night	95	15	59	BLACK_TOP	30	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Night	95	15	59	BLACK_TOP	40	0.30	0.40	0.45	1.1	1.4	1.6	0.7	0.9	1.0
Night	95	15	59	BLACK_TOP	50	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Night	95	15	59	DIRT_ROAD	-50	0.85	1.05	1.20	3.1	3.8	4.3	1.9	2.4	2.7
Night	95	15	59	DIRT_ROAD	-40	0.95	1.15	1.35	3.4	4.1	4.9	2.1	2.6	3.0
Night	95	15	59	DIRT_ROAD	-30	1.10	1.30	1.50	4.0	4.7	5.4	2.5	2.9	3.4
Night	95	15	59	DIRT_ROAD	-20	1.25	1.50	1.65	4.5	5.4	5.9	2.8	3.4	3.7
Night	95	15	59	DIRT_ROAD	-15	1.30	1.55	1.75	4.7	5.6	6.3	2.9	3.5	3.9
Night	95	15	59	DIRT_ROAD	-10	1.40	1.65	1.85	5.0	5.9	6.7	3.1	3.7	4.1
Night	95	15	59	DIRT_ROAD	-5	1.50	1.75	1.95	5.4	6.3	7.0	3.4	3.9	4.4
Night	95	15	59	DIRT_ROAD	0	1.65	1.90	2.10	5.9	6.8	7.6	3.7	4.3	4.7
Night	95	15	59	DIRT_ROAD	5	1.15	1.40	1.55	4.1	5.0	5.6	2.6	3.1	3.5
Night	95	15	59	DIRT_ROAD	10	0.85	1.05	1.20	3.1	3.8	4.3	1.9	2.4	2.7
Night	95	15	59	DIRT_ROAD	15	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
Night	95	15	59	DIRT_ROAD	20	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Night	95	15	59	DIRT_ROAD	30	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Night	95	15	59	DIRT_ROAD	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Night	95	15	59	DIRT_ROAD	50	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Night	95	15	59	LOOSE_SAND	-50	0.50	0.60	0.75	1.8	2.2	2.7	1.1	1.3	1.7
_	95	15	59	LOOSE_SAND	-40	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Night Night	95	15	59	LOOSE_SAND	-30	0.65	0.85	0.95	2.3	3.1	3.4	1.5	1.9	2.1
Night	95	15	59	LOOSE_SAND	-20	0.80	0.95	1.10	2.9	3.4	4.0	1.8	2.1	2.5
Night	95	15	59	LOOSE_SAND	-15	0.90	1.05	1.20	3.2	3.8	4.3	2.0	2.4	2.7
Night	95 95	15	59	LOOSE_SAND	-10	0.95	1.15	1.30	3.4	4.1	4.7	2.1	2.6	2.9
Night	95	15	59	LOOSE_SAND	-5	1.05	1.25	1.40	3.8	4.5	5.0	2.4	2.8	3.1
Night	9 5	15	59	LOOSE_SAND	0	1.20	1.35	1.50	4.3	4.9	5.4	2.7	3.0	3.4
Night	95	15	59	LOOSE_SAND	5	0.75	0.90	1.00	2.7	3.2	3.6	1.7	2.0	2.2
Night	95	15	59	LOOSE_SAND	10	0.50	0.60	0.75	1.8	2.2	2.7	1.1	1.3	1.7
Night	95	15	59	LOOSE_SAND	15	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
	95 95	15	59	LOOSE_SAND	20	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Night Night	95	15	59	LOOSE_SAND	30	0.20	0.35	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Night	95 95	15 15	59 59	LOOSE_SAND	40	0.20	0.20	0.20	0.7	0.9	0.7	0.3	0.4	0.7
Night				LOOSE_SAND					0.5	0.7	0.7	0.2	0.3	0.3
Night	95	15	59	LOUSE_SAND	50	0.10	0.15	0.15	0.4	0.5	0.5	U.Z	0.3	0.0

Table F-32. Maximum Sustainable Speed, Night, 95% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainabl meters/l		Max Su (n	stainabl niles/hou	
	• •					F	isk Leve	el	F	lsk Lev	əl	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	95	20	68	BLACK_TOP	-50	0.80	0.95	1.10	2.9	3.4	4.0	1.8	2.1	2.5
Night	95	20	68	BLACK_TOP	-40	0.90	1.05	1.20	3.2	3.8	4.3	2.0	2.4	2.7
Night	95	20	68	BLACK_TOP	-30	1.05	1.20	1.35	3.8	4.3	4.9	2.4	2.7	3.0
Night	95	20	68	BLACK_TOP	-20	1.20	1.35	1.50	4.3	4.9	5.4	2.7	3.0	3.4
Night	95	20	68	BLACK_TOP	-15	1.30	1.45	1.60	4.7	5.2	5.8	2.9	3.2	3.6
Night	95	20	68	BLACK_TOP	-10	1.40	1.55	1.70	5.0	5.6	6.1	3.1	3.5	3.8
Night	95	20	68	BLACK_TOP	-5	1.50	1.65	1.80	5.4	5.9	6.5	3.4	3.7	4.0
Night	95	20	68	BLACK_TOP	0	1.60	1.80	1.95	5.8	6.5	7.0	3.6	4.0	4.4
Night	95	20	68	BLACK_TOP	5	1.10	1.30	1.45	4.0	4.7	5.2	2.5	2.9	3.2
Night	95	20	68	BLACK_TOP	10	0.80	0.95	1.10	2.9	3.4	4.0	1.8	2.1	2.5
Night	95	20	68	BLACK_TOP	15	0.60	0.75	0.85	2.2	2.7	3.1	1.3	1.7	1.9
Night	95	20	68	BLACK_TOP	20	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
Night	95	20	68	BLACK_TOP	30	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Night	95	20	68	BLACK_TOP	40	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Night	9 5	20	68	BLACK_TOP	50	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Night	95	20	68	DIRT_ROAD	-50	0.75	0.90	1.00	2.7	3.2	3.6	1.7	2.0	2.2
Night	95	20	68	DIRT_ROAD	-40	0.85	1.00	1.15	3.1	3.6	4.1	1.9	2.2	2.6
_	95	20	68	DIRT_ROAD	-30	1.00	1.15	1.25	3.6	4.1	4.5	2.2	2.6	2.8
Night	95	20	68	DIRT_ROAD	-20	1.15	1.30	1.45	4.1	4.7	5.2	2.6	2.9	3.2
Night		20	68	DIRT_ROAD	-15	1.20	1.40	1.50	4.3	5.0	5.4	2.7	3.1	3.4
Night	95			DIRT_ROAD	-10	1.30	1.50	1.60	4.7	5.4	5.8	2.9	3.4	3.6
Night	95	20	68	DIRT_ROAD	-10 -5	1		1.70	5.0	5.8	6.1	3.1	3.6	3.8
Night	95	20	68			1.40	1.60 1.70	1.85	5.6	6.1	6.7	3.5	3.8	4.1
Night	95	20	68	DIRT_ROAD	0	1.55	1.20	1.35	3.8	4.3	4.9	2.4	2.7	3.0
Night	95	20	68	DIRT_ROAD	5	0.75	0.90	1.00	2.7	3.2	3.6	1.7	2.0	2.2
Night	95	20	68	DIRT_ROAD	10	1		0.80	2.7	2.5	2.9	1.2	1.6	1.8
Night	95	20	68	DIRT_ROAD	15	0.55	0.70		1	2.0	2.3	1.0	1.2	1.5
Night	95	20	68	DIRT_ROAD	20	0.45	0.55	0.65	1.6			I .		
Night	95	20	68	DIRT_ROAD	30	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
Night	95	20	68	DIRT_ROAD	40	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Night	95	20	68	DIRT_ROAD	50	0.20	0.20	0.25	0.7	0.7	0.9	0.4	0.4	0.6
Night	95	20	68	LOOSE_SAND	-50	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Night	95	20	68	LOOSE_SAND	-40	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
Night	95	20	68	LOOSE_SAND	-30	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Night	95	20	68	LOOSE_SAND	-20	0.75	0.85	0.95	2.7	3.1	3.4	1.7	1.9	2.1
Night	95	20	68	LOOSE_SAND	-15	0.80	0.90	1.00	2.9	3.2	3.6	1.8	2.0	2.2
Night	95	20	68	LOOSE_SAND	-10	0.90	1.00	1.10	3.2	3.6	4.0	2.0	2.2	2.5
Night	95	20	68	LOOSE_SAND	-5	1.00	1.10	1.20	3.6	4.0	4.3	2.2	2.5	2.7
Night	9 5	20	68	LOOSE_SAND	0	1.10	1.20	1.30	4.0	4.3	4.7	2.5	2.7	2.9
Night	95	20	68	LOOSE_SAND	5	0.65	0.75	0.85	2.3	2.7	3.1	1.5	1.7	1.9
Night	95	20	68	LOOSE_SAND	10	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Night	95	20	68	LOOSE_SAND	15	0.30	0.35	0.45	1.1	1.3	1.6	0.7	8.0	1.0
Night	95	20	68	LOOSE_SAND	20	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Night	95	20	68	LOOSE_SAND	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	95	20	68	LOOSE_SAND	40	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
Night	95	20	68	LOOSE_SAND	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3

Table F-33. Maximum Sustainable Speed, Night, 95% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec		Max Su (kilo	stainable meters/h		Max Su (n	stainabl niles/hou	
						F	Risk Leve	əl	F	lisk Leve	el .	F	Risk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	95	25	77	BLACK_TOP	-50	0.65	0.70	0.80	2.3	2.5	2.9	1.5	1.6	1.8
Night	95	25	77	BLACK_TOP	-40	0.75	0.80	0.95	2.7	2.9	3.4	1.7	1.8	2.1
Night	95	25	77	BLACK_TOP	-30	0.85	0.90	1.05	3.1	3.2	3.8	1.9	2.0	2.4
Night	95	25	77	BLACK_TOP	-20	1.00	1.05	1.20	3.6	3.8	4.3	2.2	2.4	2.7
Night	95	25	77	BLACK_TOP	-15	1.05	1.15	1.30	3.8	4.1	4.7	2.4	2.6	2.9
Night	95	25	77	BLACK_TOP	-10	1.15	1.25	1.40	4.1	4.5	5.0	2.6	2.8	3.1
Night	95	25	77	BLACK_TOP	-5	1.25	1.35	1.50	4.5	4.9	5.4	2.8	3.0	3.4
Night	95	25	77	BLACK_TOP	0	1.40	1.45	1.60	5.0	5.2	5.8	3.1	3.2	3.6
Night	95	25	77	BLACK_TOP	5	0.90	1.00	1.15	3.2	3.6	4.1	2.0	2.2	2.6
Night	95	25	77	BLACK_TOP	10	0.65	0.70	0.80	2.3	2.5	2.9	1.5	1.6	1.8
Night	95	25	77	BLACK_TOP	15	0.45	0.50	0.65	1.6	1.8	2.3	1.0	1.1	1.5
Night	95	25	77	BLACK_TOP	20	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
-	95	25	77	BLACK_TOP	30	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Night	95	25	77	BLACK_TOP	40	0.20	0.20	0.25	0.7	0.7	0.9	0.4	0.4	0.6
Night	95	25	77	BLACK_TOP	50	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Night		25	77	DIRT_ROAD	-50	0.60	0.65	0.75	2.2	2.3	2.7	1.3	1.5	1.7
Night	95			DIRT_ROAD	-40	0.65	0.75	0.85	2.3	2.7	3.1	1.5	1.7	1.9
Night	95	25	77	DIRT_ROAD	-30	0.80	0.75	1.00	2.9	3.1	3.6	1.8	1.9	2.2
Night	95	25	77	_		l .		1.15	3.2	3.6	4.1	2.0	2.2	2.6
Night	95	25	77	DIRT_ROAD	-20	0.90	1.00		3.6	4.0	4.5	2.2	2.5	2.8
Night	95	25	77	DIRT_ROAD	-15	1.00	1.10	1.25	ı	4.3	4.9	2.5	2.7	3.0
Night	95	25	77	DIRT_ROAD	-10	1.10	1.20	1.35	4.0		4.9 5.2	2.5	2.9	3.2
Night	95	25	77	DIRT_ROAD	-5	1.20	1.30	1.45	4.3	4.7	5.2 5.6	2.9	3.1	3.5
Night	95	25	77	DIRT_ROAD	0	1.30	1.40	1.55	4.7	5.0		i	2.1	2.4
Night	95	25	77	DIRT_ROAD	5	0.85	0.95	1.05	3.1	3.4	3.8	1.9		1.7
Night	95	25	77	DIRT_ROAD	10	0.60	0.65	0.75	2.2	2.3	2.7	1.3	1.5	
Night	95	25	77	DIRT_ROAD	15	0.45	0.50	0.55	1.6	1.8	2.0	1.0	1.1	1.2
Night	95	25	77	DIRT_ROAD	20	0.35	0.35	0.45	1.3	1.3	1.6	0.8	0.8	1.0
Night	95	25	77	DIRT_ROAD	30	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Night	95	25	77	DIRT_ROAD	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	95	25	77	DIRT_ROAD	50	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Night	95	25	77	LOOSE_SAND	-50	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
Night	95	25	77	LOOSE_SAND	-40	0.40	0.45	0.50	1.4	1.6	1.8	0.9	1.0	1.1
Night	95	25	77	LOOSE_SAND	-30	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Night	95	25	77	LOOSE_SAND	-20	0.60	0.65	0.75	2.2	2.3	2.7	1.3	1.5	1.7
Night	95	25	77	LOOSE_SAND	-15	0.65	0.70	0.80	2.3	2.5	2.9	1.5	1.6	1.8
Night	95	25	77	LOOSE_SAND	-10	0.75	0.80	0.90	2.7	2.9	3.2	1.7	1.8	2.0
Night	95	25	77	LOOSE_SAND	-5	0.85	0.90	1.00	3.1	3.2	3.6	1.9	2.0	2.2
Night	95	25	77	LOOSE_SAND	0	0.95	1.00	1.10	3.4	3.6	4.0	2.1	2.2	2.5
Night	95	25	77	LOOSE_SAND	5	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Night	95	25	77	LOOSE_SAND	10	0.30	0.35	0.45	1.1	1.3	1.6	0.7	8.0	1.0
Night	95	25	77	LOOSE_SAND	15	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Night	95	25	77	LOOSE_SAND	20	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	95	25	77	LOOSE_SAND	30	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Night	95	25	77	LOOSE_SAND	40	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Night	95	25	77	LOOSE_SAND	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2

Table F-34. Maximum Sustainable Speed, Night, 95% Humidity, 30°C (86°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	ters/sec	ond)	(kilo	meters/h	nour)	,	niles/hou	ır)
						F	Risk Leve	el	F	Risk Leve	el	F	Risk Leve	el l
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Night	95	30	86	BLACK_TOP	-50	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Night	95	30	86	BLACK_TOP	-40	0.40	0.45	0.60	1.4	1.6	2.2	0.9	1.0	1.3
Night	95	30	86	BLACK_TOP	-30	0.50	0.55	0.70	1.8	2.0	2.5	1.1	1.2	1.6
Night	95	30	86	BLACK_TOP	-20	0.60	0.65	0.80	2.2	2.3	2.9	1.3	1.5	1.8
Night	95	30	86	BLACK_TOP	-15	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
Night	95	30	86	BLACK_TOP	-10	0.75	0.80	1.00	2.7	2.9	3.6	1.7	1.8	2.2
Night	95	30	86	BLACK_TOP	-5	0.85	0.90	1.10	3.1	3.2	4.0	1.9	2.0	2.5
Night	95	30	86	BLACK_TOP	0	0.95	1.05	1.20	3.4	3.8	4.3	2.1	2.4	2.7
Night	95	30	86	BLACK_TOP	5	0.55	0.60	0.75	2.0	2.2	2.7	1.2	1.3	1.7
Night	95	30	86	BLACK_TOP	10	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Night	95	30	86	BLACK_TOP	15	0.25	0.25	0.35	0.9	0.9	1.3	0.6	0.6	0.8
Night	95	30	86	BLACK_TOP	20	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Night	95	30	86	BLACK_TOP	30	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Night	95	30	86	BLACK_TOP	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Night	95	30	86	BLACK_TOP	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Night	95	30	86	DIRT_ROAD	-50	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
Night	95	30	86	DIRT_ROAD	-40	0.35	0.40	0.55	1.3	1.4	2.0	0.8	0.9	1.2
Night	95	30	86	DIRT_ROAD	-30	0.45	0.50	0.65	1.6	1.8	2.3	1.0	1.1	1.5
Night	95	30	86	DIRT_ROAD	-20	0.55	0.60	0.75	2.0	2.2	2.7	1.2	1.3	1.7
Night	95	30	86	DIRT_ROAD	-15	0.65	0.70	0.85	2.3	2.5	3.1	1.5	1.6	1.9
Night	95	30	86	DIRT_ROAD	-10	0.70	0.80	0.95	2.5	2.9	3.4	1.6	1.8	2.1
Night	95	30	86	DIRT_ROAD	-5	0.80	0.85	1.05	2.9	3.1	3.8	1.8	1.9	2.4
Night	95	30	86	DIRT_ROAD	0	0.90	1.00	1.15	3.2	3.6	4.1	2.0	2.2	2.6
Night	95	30	86	DIRT_ROAD	5	0.50	0.55	0.70	1.8	2.0	2.5	1.1	1.2	1.6
Night	95	30	86	DIRT_ROAD	10	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
Night	95	30	86	DIRT_ROAD	15	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Night	95	30	86	DIRT_ROAD	20	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	95	30	86	DIRT_ROAD	30	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Night	95	30	86	DIRT_ROAD	40	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Night	95	30	86	DIRT_ROAD	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Night	95	30	86	LOOSE_SAND	-50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	95	30	86	LOOSE_SAND	-40	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Night	95	30	86	LOOSE_SAND	-30	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	8.0
Night	95	30	86	LOOSE_SAND	-20	0.35	0.35	0.45	1.3	1.3	1.6	0.8	8.0	1.0
Night	95	30	86	LOOSE_SAND	-15	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
Night	95	30	86	LOOSE_SAND	-10	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Night	95	30	86	LOOSE_SAND	-5	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
Night	95	30	86	LOOSE_SAND	0	0.65	0.70	0.80	2.3	2.5	2.9	1.5	1.6	1.8
Night	95	30	86	LOOSE_SAND	5	0.30	0.35	0.40	1.1	1.3	1.4	0.7	8.0	0.9
Night	95	30	86	LOOSE_SAND	10	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Night	95	30	86	LOOSE_SAND	15	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Night	95	30	86	LOOSE_SAND	20	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Night	95	30	86	LOOSE_SAND	30	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Night	95	30	86	LOOSE_SAND	40	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1
Night	95	30	86	LOOSE_SAND	50	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1

Table F-35. Maximum Sustainable Speed, Night, 95% Humidity, 35°C (95°F)

	Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabi ters/sec			stainabl meters/l			stainabl	
							F	Risk Lev	ei	F	Risk Leve	əl		Risk Lev	el
							Low	Mod	High	Low	Mod	High	Low	Mod	High
Г	Night	95	35	95	BLACK_TOP	-50	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
	Night	95	35	95	BLACK_TOP	-40	0.00	0.00	0.10	0.0	0.0	0.4	0.0	0.0	0.2
	Night	95	35	95	BLACK_TOP	-30	0.00	0.00	0.15	0.0	0.0	0.5	0.0	0.0	0.3
ı	Night	9 5	35	95	BLACK_TOP	-20	0.00	0.00	0.20	0.0	0.0	0.7	0.0	0.0	0.4
1	Night	95	35	9 5	BLACK_TOP	-15	0.00	0.00	0.20	0.0	0.0	0.7	0.0	0.0	0.4
1	Night	95	35	95	BLACK_TOP	-10	0.00	0.00	0.30	0.0	0.0	1.1	0.0	0.0	0.7
	Night	95	35	95	BLACK_TOP	-5	0.00	0.00	0.35	0.0	0.0	1.3	0.0	0.0	0.8
	Night	95	35	95	BLACK_TOP	0	0.00	0.00	0.45	0.0	0.0	1.6	0.0	0.0	1.0
l	Night	95	35	9 5	BLACK_TOP	5	0.00	0.00	0.15	0.0	0.0	0.5	0.0	0.0	0.3
	Night	95	35	95	BLACK_TOP	10	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
	Night	95	35	95	BLACK_TOP	15	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
	Night	95	35	95	BLACK_TOP	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Į.	Night	95	35	95	BLACK_TOP	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
ı	Night	95	35	95	BLACK_TOP	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
ı	Night	95	35	95	BLACK_TOP	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
1	Night	95	35	95	DIRT_ROAD	-50	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
	Night	95	35	95	DIRT_ROAD	-40	0.00	0.00	0.10	0.0	0.0	0.4	0.0	0.0	0.2
l	Night	95	35	95	DIRT_ROAD	-30	0.00	0.00	0.10	0.0	0.0	0.4	0.0	0.0	0.2
	Night	95	35	95	DIRT_ROAD	-20	0.00	0.00	0.15	0.0	0.0	0.5	0.0	0.0	0.3
	Night	95	35	95	DIRT_ROAD	-15	0.00	0.00	0.20	0.0	0.0	0.7	0.0	0.0	0.4
	Night	95	35	95	DIRT_ROAD	-10	0.00	0.00	0.25	0.0	0.0	0.9	0.0	0.0	0.6
	Night	95	35	95	DIRT_ROAD	-5	0.00	0.00	0.35	0.0	0.0	1.3	0.0	0.0	0.8
	Night	95	35	95	DIRT_ROAD	0	0.00	0.00	0.45	0.0	0.0	1.6	0.0	0.0	1.0
	Night	95	35	95	DIRT_ROAD	5	0.00	0.00	0.15	0.0	0.0	0.5	0.0	0.0	0.3
1	Night	95	35	95	DIRT_ROAD	10	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
ŀ	Night	95	35	9 5	DIRT_ROAD	15	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
l	Night	95	35	95	DIRT_ROAD	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Night	95	35	95	DIRT_ROAD	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Night	95	35	95	DIRT_ROAD	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Night	95	35	95	DIRT_ROAD	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Night	95	35	95	LOOSE_SAND	-50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Night	95	35	95	LOOSE_SAND	-40	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
	Night	95	35	95	LOOSE_SAND	-30	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
	Night	95	35	95	LOOSE_SAND	-20	0.00	0.00	0.10	0.0	0.0	0.4	0.0	0.0	0.2
	Night	95	35	95	LOOSE_SAND	-15	0.00	0.00	0.10	0.0	0.0	0.4	0.0	0.0	0.2
	Night	95	3 5	95	LOOSE_SAND	-10	0.00	0.00	0.15	0.0	0.0	0.5	0.0	0.0	0.3
ļ	Night	95	35	95	LOOSE_SAND	-5	0.00	0.00	0.20	0.0	0.0	0.7	0.0	0.0	0.4
	Night	95	35	95	LOOSE_SAND	0	0.00	0.00	0.30	0.0	0.0	1.1	0.0	0.0	0.7
Į.	Night	95	35	95	LOOSE_SAND	5	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
	Night	95	35	95	LOOSE_SAND	10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Night	95	35	95	LOOSE_SAND	15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Night	95	35	95	LOOSE_SAND	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Night	95	35	95	LOOSE_SAND	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Night	95	35	95	LOOSE_SAND	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
	Night	95	35	95	LOOSE_SAND	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0

Appendix G

Maximum Sustainable Speed Tables, Partly Cloudy

Table G-1. Maximum Sustainable Speed, Partly Cloudy, 5% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco	•	(kilo	stainable meters/h	our)	(г	stainable niles/hou	ır)
						F	lisk Leve	ıl	F	lisk Leve	ei -	ı	Risk Leve)l
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	5	5	41	BLACK_TOP	-50	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Partly_Cloudy	5	5	41	BLACK_TOP	-40	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Partly_Cloudy	5 .	5	41	BLACK_TOP	-30	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Partiy_Cloudy	5	5	41	BLACK_TOP	-20	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Partly_Cloudy	5	5	41	BLACK_TOP	-15	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Partly_Cloudy	5	5	41	BLACK_TOP	-10	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
Partly_Cloudy	5	5	41	BLACK_TOP	-5	1.75	2.00	2.40	6.3	7.2	8.6	3.9	4.5	5.4
Partly_Cloudy	5	5	41	BLACK_TOP	0	1.85	2.15	2.50	6.7	7.7	9.0	4.1	4.8	5.6
Partly_Cloudy	5	5	41	BLACK_TOP	5	1.35	1.65	2.00	4.9	5.9	7.2	3.0	3.7	4.5
Partly_Cloudy	5	5	41	BLACK_TOP	10	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Partiy_Cloudy	5	5	41	BLACK_TOP	15	0.80	1.00	1.30	2.9	3.6	4.7	1.8	2.2	2.9
Partly_Cloudy	5	5	41	BLACK_TOP	20	0.65	0.80	1.10	2.3	2.9	4.0	1.5	1.8	2.5
Partiy_Cloudy	5	5	41	BLACK_TOP	30	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Partly_Cloudy	5	5	41	BLACK_TOP	40	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Partly_Cloudy	5	5	41	BLACK_TOP	50	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Partly_Cloudy	5	5	41	DIRT_ROAD	-50	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Partly_Cloudy	5	5	41	DIRT_ROAD	-40	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
Partly_Cloudy	5	5	41	DIRT_ROAD	-30	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Partly_Cloudy	5	5	41	DIRT_ROAD	-20	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Partly_Cloudy	5	5	41	DIRT_ROAD	-15	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Partly_Cloudy	5	5	41	DIRT_ROAD	-10	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Partly_Cloudy	5	5	41	DIRT_ROAD	-5	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
Partly_Cloudy	5	5	41	DIRT_ROAD	0	1.75	2.05	2.40	6.3	7.4	8.6	3.9	4.6	5.4
Partly_Cloudy	5	5	41	DIRT_ROAD	5	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Partly_Cloudy	5	5	41	DIRT_ROAD	10	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Partly_Cloudy	5	5	41	DIRT_ROAD	15	0.75	0.90	1.20	2.7	3.2	4.3	1.7	2.0	2.7
Partly_Cloudy	5	5	41	DIRT_ROAD	20	0.60	0.75	1.00	2.2	2.7	3.6	1.3	1.7	2.2
Partly_Cloudy	5	5	41	DIRT_ROAD	30	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Partly_Cloudy	5	5	41	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Partly_Cloudy	5	5	41	DIRT_ROAD	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Partly_Cloudy	5	5	41	LOOSE_SAND	-50	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Partly_Cloudy	5	5	41	LOOSE_SAND	-40	0.65	0.80	1.05	2.3	2.9	3.8	1.5	1.8	2.4
Partly_Cloudy	5	5	41	LOOSE_SAND	-30	0.75	0.90	1.15	2.7	3.2	4.1	1.7	2.0	2.6
Partly_Cloudy	5	5	41	LOOSE_SAND	-20	0.90	1.05	1.35	3.2	3.8	4.9	2.0	2.4	3.0
Partly_Cloudy	5	5	41	LOOSE_SAND	-15	0.95	1.15	1.40	3.4	4.1	5.0	2.1	2.6	3.1
Partiy_Cloudy	5	5	41	LOOSE_SAND	-10	1.05	1.25	1.50	3.8	4.5	5.4	2.4	2.8	3.4
Partly_Cloudy	5	5	41	LOOSE_SAND	-5	1.15	1.35	1.60	4.1	4.9	5.8	2.6	3.0	3.6
Partly_Cloudy	5	5	41	LOOSE_SAND	0	1.25	1.45	1.75	4.5	5.2	6.3	2.8	3.2	3.9
Partly_Cloudy	5	5	41	LOOSE_SAND	5	0.80	1.00	1.25	2.9	3.6	4.5	1.8	2.2	2.8
Partly_Cloudy	5	5	41	LOOSE_SAND	10	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Partiy_Cloudy	5	5	41	LOOSE_SAND	15	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Partiy_Cloudy	5	5	41	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Partly_Cloudy	5	5	41	LOOSE_SAND	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Partiy_Cloudy	5	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partly_Cloudy	5	5	41	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table G-2. Maximum Sustainable Speed, Partly Cloudy, 5% Humidity, 10°C (50°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco			stainable meters/h			stainabl	
						F	lisk Leve	el	F	lisk Leve	el ·	F	Risk Leve	al
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	5	10	50	BLACK_TOP	-50	0.95	1.20	1.60	3.4	4.3	5.8	2.1	2.7	3.6
Partly_Cloudy	5	10	50	BLACK_TOP	-40	1.05	1.30	1.75	3.8	4.7	6.3	2.4	2.9	3.9
Partly_Cloudy	5	10	50	BLACK_TOP	-30	1.20	1.45	1.90	4.3	5.2	6.8	2.7	3.2	4.3
Partly_Cloudy	5	10	50	BLACK_TOP	-20	1.35	1.60	2.10	4.9	5.8	7.6	3.0	3.6	4.7
Partiy_Cloudy	5	10	50	BLACK_TOP	-15	1.45	1.70	2.20	5.2	6.1	7.9	3.2	3.8	4.9
Partly_Cloudy	5	10	50	BLACK_TOP	-10	1.55	1.80	2.30	5.6	6.5	8.3	3.5	4.0	5.2
Partly_Cloudy	5	10	50	BLACK_TOP	-5	1.65	1.90	2.40	5.9	6.8	8.6	3.7	4.3	5.4
Partly_Cloudy	5	10	50	BLACK_TOP	0	1.75	2.05	2.50	6.3	7.4	9.0	3.9	4.6	5.6
Partly_Cloudy	5	10	50	BLACK_TOP	5	1.25	1.55	2.00	4.5	5.6	7.2	2.8	3.5	4.5
Partly_Cloudy	5	10	50	BLACK_TOP	10	0.95	1.20	1.60	3.4	4.3	5.8	2.1	2.7	3.6
Partly_Cloudy	5	10	50	BLACK_TOP	15	0.70	0.95	1.30	2.5	3.4	4.7	1.6	2.1	2.9
Partly_Cloudy	5	10	50	BLACK_TOP	20	0.60	0.75	1.10	2.2	2.7	4.0	1.3	1.7	2.5
Partly_Cloudy	5	10	50	BLACK_TOP	30	0.40	0.55	0.80	1.4	2.0	2.9	0.9	1.2	1.8
Partly_Cloudy	5	10	50	BLACK_TOP	40	0.30	0.40	0.65	1.1	1.4	2.3	0.7	0.9	1.5
Partly_Cloudy	5	10	50	BLACK_TOP	50	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Partly_Cloudy	5	10	50	DIRT_ROAD	-50	0.85	1.10	1.50	3.1	4.0	5.4	1.9	2.5	3.4
Partly_Cloudy	5	10	50	DIRT_ROAD	-40	1.00	1.20	1.65	3.6	4.3	5.9	2.2	2.7	3.7
Partly_Cloudy	5	10	50	DIRT_ROAD	-30	1.10	1.35	1.80	4.0	4.9	6.5	2.5	3.0	4.0
Partiy_Cloudy	5	10	50	DIRT_ROAD	-20	1.25	1.55	2.00	4.5	5.6	7.2	2.8	3.5	4.5
Partly_Cloudy	5	10	50	DIRT_ROAD	-15	1.35	1.60	2.10	4.9	5.8	7.6	3.0	3.6	4.7
Partly_Cloudy	5	10	50	DIRT_ROAD	-10	1.45	1.70	2.20	5.2	6.1	7.9	3.2	3.8	4.9
Partly_Cloudy	5	10	50	DIRT_ROAD	-5	1.55	1.85	2.30	5.6	6.7	8.3	3.5	4.1	5.2
Partly_Cloudy	5	10	50	DIRT_ROAD	0	1.70	1.95	2.40	6.1	7.0	8.6	3.8	4.4	5.4
Partly_Cloudy	5	10	50	DIRT_ROAD	5	1.20	1.45	1.90	4.3	5.2	6.8	2.7	3.2	4.3
Partly_Cloudy	5	10	50	DIRT_ROAD	10	0.85	1.10	1.50	3.1	4.0	5.4	1.9	2.5	3.4
Partly_Cloudy	5	10	50	DIRT_ROAD	15	0.65	0.85	1.20	2.3	3.1	4.3	1.5	1.9	2.7
Partly_Cloudy	5	10	50	DIRT_ROAD	20	0.55	0.70	1.00	2.0	2.5	3.6	1.2	1.6	2.2
Partly_Cloudy	5	10	50	DIRT_ROAD	30	0.35	0.50	0.75	1.3	1.8	2.7	0.8	1.1	1.7
Partly_Cloudy	5	10	50	DIRT_ROAD	40	0.30	0.35	0.55	1.1	1.3	2.0	0.7	0.8	1.2
Partiy_Cloudy	5	10	50	DIRT_ROAD	50	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Partly_Cloudy	5	10	50	LOOSE_SAND	-50	0.50	0.65	0.90	1.8	2.3	3.2	1.1	1.5	2.0
Partly_Cloudy	5	10	50	LOOSE_SAND	-40	0.60	0.75	1.05	2.2	2.7	3.8	1.3	1.7	2.4
Partly_Cloudy	5	10	50	LOOSE_SAND	-30	0.70	0.85	1.15	2.5	3.1	4.1	1.6	1.9	2.6
Partly_Cloudy	5	10	50	LOOSE_SAND	-20	0.85	1.00	1.35	3.1	3.6	4.9	1.9	2.2	3.0
Partly_Cloudy	5	10	50	LOOSE_SAND	-15	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Partly_Cloudy	5	10	50	LOOSE_SAND	-10	1.00	1.20	1.50	3.6	4.3	5.4	2.2	2.7	3.4
Partly_Cloudy	5	10	50	LOOSE_SAND	-5	1.10	1.30	1.60	4.0	4.7	5.8	2.5	2.9	3.6
Partly_Cloudy	5	10	50	LOOSE_SAND	0	1.20	1.40	1.75	4.3	5.0	6.3	2.7	3.1	3.9
Partly_Cloudy	5	10	50	LOOSE_SAND	5	0.75	0.95	1.25	2.7	3.4	4.5	1.7	2.1	2.8
Partly_Cloudy	5	10	50	LOOSE_SAND	10	0.50	0.65	0.90	1.8	2.3	3.2	1.1	1.5	2.0
Partiy_Cloudy	5	10	50	LOOSE_SAND	15	0.35	0.50	0.70	1.3	1.8	2.5	0.8	1.1	1.6
Partly_Cloudy	5	10	50	LOOSE_SAND	20	0.30	0.35	0.55	1.1	1.3	2.0	0.7	0.8	1.2
Partly_Cloudy	5	10	50	LOOSE_SAND	30	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Partly_Cloudy	5	10	50	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partly_Cloudy	5	10	50	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table G-3. Maximum Sustainable Speed, Partly Cloudy, 5% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco			stainable meters/h		Max Su (n	stainable niles/hou	e Speed ır)
						F	Risk Leve	əl	F	lisk Leve	əl	F	Risk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	5	15	59	BLACK_TOP	-50	0.85	1.10	1.45	3.1	4.0	5.2	1.9	2.5	3.2
Partly_Cloudy	5	15	59	BLACK_TOP	-40	0.95	1.20	1.60	3.4	4.3	5.8	2.1	2.7	3.6
Partly_Cloudy	5	15	59	BLACK_TOP	-30	1.10	1.35	1.75	4.0	4.9	6.3	2.5	3.0	3.9
Partly_Cloudy	5	15	59	BLACK_TOP	-20	1.25	1.55	1.95	4.5	5.6	7.0	2.8	3.5	4.4
Partly_Cloudy	5	15	59	BLACK_TOP	-15	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Partly_Cloudy	5	15	59	BLACK_TOP	-10	1.45	1.70	2.15	5.2	6.1	7.7	3.2	3.8	4.8
Partiy_Cloudy	5	15	59	BLACK_TOP	-5	1.55	1.85	2.25	5.6	6.7	8.1	3.5	4.1	5.0
Partly_Cloudy	5	15	59	BLACK_TOP	0	1.65	1.95	2.35	5.9	7.0	8.5	3.7	4.4	5.3
Partiy_Cloudy	5	15	59	BLACK_TOP	5	1.15	1.45	1.85	4.1	5.2	6.7	2.6	3.2	4.1
Partly_Cloudy	5	15	59	BLACK_TOP	10	0.85	1.10	1.45	3.1	4.0	5.2	1.9	2.5	3.2
Partly_Cloudy	5	15	59	BLACK_TOP	15	0.65	0.85	1.15	2.3	3.1	4.1	1.5	1.9	2.6
	5	15	59	BLACK_TOP	20	0.50	0.70	0.95	1.8	2.5	3.4	1.1	1.6	2.1
Partly_Cloudy				BLACK_TOP	30	0.35	0.50	0.70	1.3	1.8	2.5	0.8	1.1	1.6
Partly_Cloudy	5	15	59	BLACK_TOP	40	0.25	0.35	0.55	0.9	1.3	2.0	0.6	0.8	1.2
Partly_Cloudy	5	15	59		50	0.20	0.30	0.35	0.3	1.1	1.6	0.4	0.7	1.0
Partly_Cloudy	5	15	59	BLACK_TOP DIRT_ROAD	-50	0.80	1.00	1.35	2.9	3.6	4.9	1.8	2.2	3.0
Partiy_Cloudy	5	15	59	_	-50 -40	1	1.15	1.50	3.2	4.1	5.4	2.0	2.6	3.4
Partly_Cloudy	5	15	59	DIRT_ROAD		0.90	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
Partly_Cloudy	5	15	59	DIRT_ROAD	-30	1.05		1.80	4.3	5.2	6.5	2.7	3.2	4.0
Partiy_Cloudy	5	15	59	DIRT_ROAD	-20	1.20	1.45	1.90	4.5	5.6	6.8	2.8	3.5	4.3
Partly_Cloudy	5	15	59	DIRT_ROAD	-15	1.25 1.35	1.55 1.65	2.00	4.9	5.9	7.2	3.0	3.7	4.5
Partiy_Cloudy	5	15	59	DIRT_ROAD	-10		1.75	2.10	5.2	6.3	7.6	3.2	3.9	4.7
Partly_Cloudy	5	15	59	DIRT_ROAD	-5	1.45	1.85	2.10	5.8	6.7	8.1	3.6	4.1	5.0
Partly_Cloudy	5	15	59	DIRT_ROAD	0	1.60		1.75	4.0	4.9	6.3	2.5	3.0	3.9
Partly_Cloudy	5	15	59	DIRT_ROAD	5	1.10	1.35		1	3.6	4.9	1.8	2.2	3.0
Partly_Cloudy	5	15	59	DIRT_ROAD	10	0.80	1.00	1.35	2.9		4.0	1.3	1.8	2.5
Partly_Cloudy	5	15	59	DIRT_ROAD	15	0.60	0.80	1.10	2.2	2.9	3.2	1.0	1.5	2.0
Partly_Cloudy	5	15	59	DIRT_ROAD	20	0.45	0.65	0.90	1.6	2.3		0.8	1.0	1.5
Partiy_Cloudy	5	15	59	DIRT_ROAD	30	0.35	0.45	0.65	1.3	1.6	2.3 1.8	0.6	0.8	1.1
Partly_Cloudy	5	15	59	DIRT_ROAD	40	0.25	0.35	0.50	0.9	1.3		1	0.6	0.9
Partly_Cloudy	5	15	59	DIRT_ROAD	50	0.20	0.25	0.40	0.7	0.9	1.4	0.4		
Partiy_Cloudy	5	15	59	LOOSE_SAND	-50	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Partly_Cloudy	5	15	59	LOOSE_SAND	-40	0.55	0.70	0.95	2.0	2.5	3.4	1.2	1.6 1.8	2.1 2.4
Partly_Cloudy	5	15	59	LOOSE_SAND	-30	0.65	0.80	1.05	2.3	2.9	3.8	1.5		
Partly_Cloudy	5	15	59	LOOSE_SAND	-20	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Partly_Cloudy	5	15	59	LOOSE_SAND	-15	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Partly_Cloudy	5	15	59	LOOSE_SAND	-10	0.95	1.10	1.40	3.4	4.0	5.0	2.1	2.5	3.1
Partly_Cloudy	5	15	59	LOOSE_SAND	-5	1.05	1.20	1.50	3.8	4.3	5.4	2.4	2.7	3.4
Partly_Cloudy	5	15	59	LOOSE_SAND	0	1.15	1.35	1.60	4.1	4.9	5.8	2.6	3.0	3.6
Partly_Cloudy	5	15	59	LOOSE_SAND	5	0.70	0.85	1.15	2.5	3.1	4.1	1.6	1.9	2.6
Partly_Cloudy	5	15	59	LOOSE_SAND	10	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Partiy_Cloudy	5	15	59	LOOSE_SAND	15	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Partly_Cloudy	5	15	59	LOOSE_SAND	20	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Partly_Cloudy	5	15	59	LOOSE_SAND	30	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Partly_Cloudy	5	15	59	LOOSE_SAND	40	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Partly_Cloudy	5	15	59	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table G-4. Maximum Sustainable Speed, Partly Cloudy, 5% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco		(kilo	meters/f	our)		stainabl	e Speed ur)
						F	lisk Leve	ol	F	lisk Leve	el .	F	lisk Leve	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	5	20	68	BLACK_TOP	-50	0.75	1.00	1.35	2.7	3.6	4.9	1.7	2.2	3.0
Partly_Cloudy	5	20	68	BLACK_TOP	-40	0.85	1.15	1.45	3.1	4.1	5.2	1.9	2.6	3.2
Partly_Cloudy	5	20	6 8	BLACK_TOP	-30	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Partly_Cloudy	5	20	68	BLACK_TOP	-20	1.15	1.45	1.80	4.1	5.2	6.5	2.6	3.2	4.0
Partly_Cloudy	5	20	68	BLACK_TOP	-15	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Partly_Cloudy	5	20	68	BLACK_TOP	-10	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Partiy_Cloudy	5	20	68	BLACK_TOP	-5	1.45	1.75	2.10	5.2	6.3	7.6	3.2	3.9	4.7
Partly_Cloudy	5	20	68	BLACK_TOP	0	1.55	1.85	2.20	5.6	6.7	7.9	3.5	4.1	4.9
Partly_Cloudy	5	20	68	BLACK_TOP	5	1.05	1.35	1.70	3.8	4.9	6.1	2.4	3.0	3.8
Partly_Cloudy	5	20	68	BLACK_TOP	10	0.75	1.00	1.35	2.7	3.6	4.9	1.7	2.2	3.0
Partly_Cloudy	5	20	68	BLACK_TOP	15	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Partly_Cloudy	5	20	6 8	BLACK_TOP	20	0.45	0.65	0.90	1.6	2.3	3.2	1.0	1.5	2.0
Partly_Cloudy	5	20	68	BLACK_TOP	30	0.30	0.45	0.65	1.1	1.6	2.3	0.7	1.0	1.5
Partly_Cloudy	5	20	68	BLACK_TOP	40	0.25	0.35	0.50	0.9	1.3	1.8	0.6	8.0	1.1
Partly_Cloudy	5	20	68	BLACK_TOP	50	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Partly_Cloudy	5	20	68	DIRT_ROAD	-50	0.70	0.95	1.25	2.5	3.4	4.5	1.6	2.1	2.8
Partly_Cloudy	5	20	68	DIRT_ROAD	-40	0.80	1.05	1.35	2.9	3.8	4.9	1.8	2.4	3.0
Partly_Cloudy	5	20	68	DIRT_ROAD	-30	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Partly_Cloudy	5	20	68	DIRT_ROAD	-20	1.10	1.35	1.70	4.0	4.9	6.1	2.5	3.0	3.8
Partly_Cloudy	5	20	68	DIRT_ROAD	-15	1.15	1.45	1.80	4.1	5.2	6.5	2.6	3.2	4.0
Partly_Cloudy	5	20	68	DIRT_ROAD	-10	1.25	1.55	1.90	4.5	5.6	6.8	2.8	3.5	4.3
Partly_Cloudy	5	20	68	DIRT_ROAD	-5	1.35	1.65	2.00	4.9	5.9	7.2	3.0	3.7	4.5
Partly_Cloudy	5	20	68	DIRT_ROAD	0	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Partly_Cloudy	5	20	68	DIRT_ROAD	5	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Partly_Cloudy	5	20	68	DIRT_ROAD	10	0.70	0.95	1.25	2.5	3.4	4.5	1.6	2.1	2.8
Partly_Cloudy	5	20	68	DIRT_ROAD	15	0.55	0.70	1.00	2.0	2.5	3.6	1.2	1.6	2.2
Partly_Cloudy	5	20	68	DIRT_ROAD	20	0.40	0.60	0.80	1.4	2.2	2.9	0.9	1.3	1.8
Partly_Cloudy	5	20	68	DIRT_ROAD	30	0.30	0.40	0.60	1.1	1.4	2.2	0.7	0.9	1.3
Partly_Cloudy	5	20	68	DIRT_ROAD	40	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Partly_Cloudy	5	20	68	DIRT_ROAD	50	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	8.0
Partly_Cloudy	5	20	68	LOOSE_SAND	-50	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Partly_Cloudy	5	20	68	LOOSE_SAND	-40	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Partly_Cloudy	5	20	68	LOOSE_SAND	-30	0.55	0.75	0.95	2.0	2.7	3.4	1.2	1.7	2.1
Partly_Cloudy	5	20	68	LOOSE_SAND	-20	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Partly_Cloudy	5	20	68	LOOSE_SAND	-15	0.75	0.95	1.20	2.7	3.4	4.3	1.7	2.1	2.7
Partly_Cloudy	5	20	68	LOOSE_SAND	-10	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Partly_Cloudy	5	20	68	LOOSE_SAND	-5	0.95	1.15	1.40	3.4	4.1	5.0	2.1	2.6	3.1
Partly_Cloudy	5	20	68	LOOSE_SAND	0	1.05	1.25	1.50	3.8	4.5	5.4	2.4	2.8	3.4
Partly_Cloudy	5	20	68	LOOSE_SAND	5	0.65	0.80	1.05	2.3	2.9	3.8	1.5	1.8	2.4
Partly_Cloudy	5	20	68	LOOSE_SAND	10	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Partly_Cloudy	5	20	68	LOOSE_SAND	15	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Partly_Cloudy	5	20	68	LOOSE_SAND	20	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Partly_Cloudy	5	20	68	LOOSE_SAND	30	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partly_Cloudy	5	20	68	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	5	20	68	LOOSE_SAND	50	0.10	0.10	0.20	0.4	0.4	0.7	0.2	0.2	0.4

Table G-5. Maximum Sustainable Speed, Partly Cloudy, 5% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco		(kilo	stainable meters/f	nour)	(п	niles/hou	1r)
						F	lisk Leve	el	F	Risk Leve	el	F	Risk Leve	∍i
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partiy_Cloudy	5	25	77	BLACK_TOP	-50	0.70	0.90	1.20	2.5	3.2	4.3	1.6	2.0	2.7
Partly_Cloudy	5	25	77	BLACK_TOP	-40	0.80	1.05	1.35	2.9	3.8	4.9	1.8	2.4	3.0
Partiy_Cloudy	5	25	77	BLACK_TOP	-30	0.90	1.15	1.50	3.2	4.1	5.4	2.0	2.6	3.4
Partly_Cloudy	5	25	77	BLACK_TOP	-20	1.05	1.35	1.65	3.8	4.9	5.9	2.4	3.0	3.7
Partly_Cloudy	5	25	77	BLACK_TOP	-15	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Partiy_Cloudy	5	25	77	BLACK_TOP	-10	1.25	1.50	1.85	4.5	5.4	6.7	2.8	3.4	4.1
Partly_Cloudy	5	25	77	BLACK_TOP	-5	1.35	1.65	1.95	4.9	5.9	7.0	3.0	3.7	4.4
Partiy_Cloudy	5	25	77	BLACK_TOP	0	1.45	1.75	2.05	5.2	6.3	7.4	3.2	3.9	4.6
Partly_Cloudy	5	25	77	BLACK_TOP	5	0.95	1.25	1.55	3.4	4.5	5.6	2.1	2.8	3.5
Partly_Cloudy	5	25	7 7	BLACK_TOP	10	0.70	0.90	1.20	2.5	3.2	4.3	1.6	2.0	2.7
Partly_Cloudy	5	25	77	BLACK_TOP	15	0.50	0.70	0.95	1.8	2.5	3.4	1.1	1.6	2.1
Partly_Cloudy	5	25	77	BLACK_TOP	20	0.40	0.55	0.80	1.4	2.0	2.9	0.9	1.2	1.8
Partiy_Cloudy	5	25	77	BLACK_TOP	30	0.25	0.40	0.55	0.9	1.4	2.0	0.6	0.9	1.2
Partiy_Cloudy	5	25	77	BLACK_TOP	40	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Partly_Cloudy	5	25	77	BLACK_TOP	50	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	8.0
Partly_Cloudy	5	25	77	DIRT_ROAD	-50	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Partly_Cloudy	5	25	77	DIRT_ROAD	-40	0.70	0.95	1.25	2.5	3.4	4.5	1.6	2.1	2.8
Partly_Cloudy	5	25	77	DIRT_ROAD	-30	0.85	1.10	1.40	3.1	4.0	5.0	1.9	2.5	3.1
Partly_Cloudy	5	25	77	DIRT_ROAD	-20	1.00	1.25	1.55	3.6	4.5	5.6	2.2	2.8	3.5
Partly_Cloudy	5	25	77	DIRT_ROAD	-15	1.05	1.35	1.65	3.8	4.9	5.9	2.4	3.0	3.7
Partly_Cloudy	5	25	77	DIRT_ROAD	-10	1.15	1.45	1.75	4.1	5.2	6.3	2.6	3.2	3.9
Partly_Cloudy	5	25	77	DIRT_ROAD	-5	1.25	1.55	1.85	4.5	5.6	6.7	2.8	3.5	4.1
Partly_Cloudy	5	25	77	DIRT_ROAD	0	1.35	1.65	1.95	4.9	5.9	7.0	3.0	3.7	4.4
Partly_Cloudy	5	25	77	DIRT_ROAD	5	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Partly_Cloudy	5	25	77	DIRT_ROAD	10	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Partly_Cloudy	5	25	77	DIRT_ROAD	15	0.45	0.65	0.90	1.6	2.3	3.2	1.0	1.5	2.0
Partly_Cloudy	5	25	77	DIRT_ROAD	20	0.35	0.50	0.70	1.3	1.8	2.5	0.8	1.1	1.6
Partly_Cloudy	5	25	77	DIRT_ROAD	30	0.25	0.35	0.50	0.9	1.3	1.8	0.6	8.0	1.1
Partly_Cloudy	5	25	77	DIRT_ROAD	40	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Partly_Cloudy	5	25	77	DIRT_ROAD	50	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partly_Cloudy	5	25	77	LOOSE_SAND	-50	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Partly_Cloudy	5	25	77	LOOSE_SAND	-4 0	0.40	0.60	0.75	1.4	2.2	2.7	0.9	1.3	1.7
Partly_Cloudy	5	25	77	LOOSE_SAND	-30	0.50	0.70	0.90	1.8	2.5	3.2	1.1	1.6	2.0
Partly_Cloudy	5	25	77	LOOSE_SAND	-20	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Partly_Cloudy	5	25	77	LOOSE_SAND	-15	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Partly_Cloudy	5	25	77	LOOSE_SAND	-10	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Partly_Cloudy	5	25	77	LOOSE_SAND	-5	0.90	1.10	1.30	3.2	4.0	4.7	2.0	2.5	2.9
Partly_Cloudy	5	25	77	LOOSE_SAND	0	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Partly_Cloudy	5	25	77	LOOSE_SAND	5	0.55	0.75	0.95	2.0	2.7	3.4	1.2	1.7	2.1
Partly_Cloudy	5	25	77	LOOSE_SAND	10	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Partly_Cloudy	5	25	77	LOOSE_SAND	15	0.25	0.35	0.50	0.9	1.3	1.8	0.6	8.0	1.1
Partly_Cloudy	5	25	77	LOOSE_SAND	20	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Partly_Cloudy	5	25	77	LOOSE_SAND	30	0.10	0.20	0.25	0.4	0.7	0.9	0.2	0.4	0.6
Partly_Cloudy	5	25	77	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	5	25	77	LOOSE_SAND	50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3

Table G-6. Maximum Sustainable Speed, Partly Cloudy, 5% Humidity, 30°C (86°F)

Partly_Cloudy 5 30 86 BLACK_TOP -50 0.60 0.85 1.10 2.2 3.1 4.0 1.3 1.9 Partly_Cloudy 5 30 86 BLACK_TOP -50 0.60 0.85 1.10 2.2 3.1 4.0 1.3 1.9 Partly_Cloudy 5 30 86 BLACK_TOP -30 0.80 1.05 1.35 2.9 3.8 4.9 1.8 2.1 Partly_Cloudy 5 30 86 BLACK_TOP -20 0.95 1.25 1.50 3.4 4.5 5.4 2.1 2.8 Partly_Cloudy 5 30 86 BLACK_TOP -20 0.95 1.25 1.50 3.4 4.5 5.4 2.1 2.8 Partly_Cloudy 5 30 86 BLACK_TOP -15 1.00 1.30 1.60 3.6 4.7 5.8 2.2 2.9 Partly_Cloudy 5 30 86 BLACK_TOP -15 1.00 1.30 1.60 3.6 4.7 5.8 2.2 2.9 Partly_Cloudy 5 30 86 BLACK_TOP -5 1.20 1.50 1.80 4.3 5.4 6.5 2.7 3.4 Partly_Cloudy 5 30 86 BLACK_TOP -5 1.20 1.50 1.80 4.3 5.4 6.5 2.7 3.4 Partly_Cloudy 5 30 86 BLACK_TOP 5 0.85 1.15 1.45 3.1 4.1 5.2 1.9 2.6 Partly_Cloudy 5 30 86 BLACK_TOP 5 0.85 1.15 1.45 3.1 4.1 5.2 1.9 2.6 Partly_Cloudy 5 30 86 BLACK_TOP 15 0.45 0.65 0.85 1.6 2.3 3.1 1.0 1.5 Partly_Cloudy 5 30 86 BLACK_TOP 15 0.45 0.65 0.85 1.6 2.3 3.1 1.0 1.5 Partly_Cloudy 5 30 86 BLACK_TOP 30 0.25 0.35 0.50 0.9 1.3 1.8 0.6 0.8 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.25 0.35 0.5 0.9	2.5 2.7 3.0 3.4 3.6 3.8 4.0 4.3
Partly_Cloudy 5 30 86 BLACK_TOP -50 0.60 0.85 1.10 2.2 3.1 4.0 1.3 1.9 Partly_Cloudy 5 30 86 BLACK_TOP -40 0.70 0.95 1.20 2.5 3.4 4.3 1.6 2.1 Partly_Cloudy 5 30 86 BLACK_TOP -30 0.80 1.05 1.35 2.9 3.8 4.9 1.8 2.4 Partly_Cloudy 5 30 86 BLACK_TOP -20 0.95 1.25 1.50 3.4 4.5 5.4 2.1 2.8 Partly_Cloudy 5 30 86 BLACK_TOP -15 1.00 1.30 1.60 3.6 4.7 5.8 2.2 2.9 Partly_Cloudy 5 30 86 BLACK_TOP -10 1.10 1.30 1.60 3.6 4.7 5.8 2.2 2.9 Partly_Cloudy 5 30 86 BLACK_TOP -10 1.10 1.40 1.70 4.0 5.0 6.1 2.5 3.1 Partly_Cloudy 5 30 86 BLACK_TOP -5 1.20 1.50 1.80 4.3 5.4 6.5 2.7 3.4 Partly_Cloudy 5 30 86 BLACK_TOP 0 1.30 1.65 1.90 4.7 5.9 6.8 2.9 3.7 Partly_Cloudy 5 30 86 BLACK_TOP 0 1.30 1.65 1.90 4.7 5.9 6.8 2.9 3.7 Partly_Cloudy 5 30 86 BLACK_TOP 5 0.85 1.15 1.45 3.1 4.1 5.2 1.9 2.6 Partly_Cloudy 5 30 86 BLACK_TOP 15 0.85 1.15 1.45 3.1 4.1 5.2 1.9 2.6 Partly_Cloudy 5 30 86 BLACK_TOP 15 0.85 1.15 1.45 3.1 4.1 5.2 1.9 2.6 Partly_Cloudy 5 30 86 BLACK_TOP 15 0.85 1.15 1.45 3.1 4.1 5.2 1.9 2.6 Partly_Cloudy 5 30 86 BLACK_TOP 15 0.85 0.85 1.16 2.3 3.1 1.0 1.5 Partly_Cloudy 5 30 86 BLACK_TOP 30 0.25 0.35 0.50 0.70 1.3 1.8 2.5 0.8 1.1 Partly_Cloudy 5 30 86 BLACK_TOP 30 0.25 0.35 0.50 0.9 1.3 1.8 0.6 0.8 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.25 0.35 0.50 0.9 1.3 1.8 0.6 0.8 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.25 0.35 0.50 0.9 1.3 1.8 0.6 0.8 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.25 0.35 0.50 0.9 1.3 1.8 0.6 0.8 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.20 0.30 0.5 0.7 1.1 0.3 0.4 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.20 0.30 0.5 0.7 1.1 0.3 0.4 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.20 0.30 0.5 0.7 1.1 0.3 0.4 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.20 0.30 0.5 0.7 1.1 0.3 0.4 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.20 0.30 0.5 0.7 1.1 0.3 0.4 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.20 0.30 0.5 0.7 1.1 0.3 0.4 Partly_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.20 0.30 0.5 0.5 0.9 1.3 0.3 0.6 0.8 0.5 0.5 0.5 0.9 0.5 0.7 0.5 0.5 0.9 0.5 0.5 0.5 0.9 0.5 0.5 0.5 0.7 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	2.5 2.7 3.0 3.4 3.6 3.8 4.0 4.3
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Partly_Cloudy 5 30 86 BLACK_TOP 20 0.35 0.50 0.70 1.3 1.8 2.5 0.8 1.1 Partly_Cloudy 5 30 86 BLACK_TOP 30 0.25 0.35 0.50 0.9 1.3 1.8 0.6 0.8 Partly_Cloudy 5 30 86 BLACK_TOP 40 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partly_Cloudy 5 30 86 DIRT_ROAD -50 0.55 0.75 1.00 2.0 2.7 3.6 1.2 1.7 Partly_Cloudy 5 30 86 DIRT_ROAD -40 0.65 0.90 1.10 2.3 3.2 4.0 1.5 2.0 Partly_Cloudy 5 30 86 DIRT_ROAD -30 0.75 1.00 1.25 2.7 3.6 4.5 1.7 2.2 Partly_Cloudy 5 30	2.5
Partiy_Cloudy 5 30 86 BLACK_TOP 30 0.25 0.35 0.50 0.9 1.3 1.8 0.6 0.8 Partiy_Cloudy 5 30 86 BLACK_TOP 40 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partiy_Cloudy 5 30 86 BLACK_TOP 50 0.15 0.20 0.30 0.5 0.7 1.1 0.3 0.4 Partiy_Cloudy 5 30 86 DIRT_ROAD -50 0.55 0.75 1.00 2.0 2.7 3.6 1.2 1.7 Partiy_Cloudy 5 30 86 DIRT_ROAD -30 0.75 1.00 1.25 2.7 3.6 4.5 1.7 2.2 Partiy_Cloudy 5 30 86 DIRT_ROAD -15 0.95 1.25 1.50 3.4 4.5 5.4 2.1 2.8 Party_Cloudy 5 30	1.9
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Partly_Cloudy 5 30 86 DIRT_ROAD -20 0.90 1.15 1.40 3.2 4.1 5.0 2.0 2.6 Partly_Cloudy 5 30 86 DIRT_ROAD -15 0.95 1.25 1.50 3.4 4.5 5.4 2.1 2.8 Partly_Cloudy 5 30 86 DIRT_ROAD -10 1.05 1.35 1.60 3.8 4.9 5.8 2.4 3.0 Partly_Cloudy 5 30 86 DIRT_ROAD -5 1.15 1.45 1.70 4.1 5.2 6.1 2.6 3.2 Partly_Cloudy 5 30 86 DIRT_ROAD 0 1.25 1.55 1.85 4.5 5.6 6.7 2.8 3.5 Partly_Cloudy 5 30 86 DIRT_ROAD 5 0.80 1.10 1.35 2.9 4.0 4.9 1.8 2.5 Partly_Cloudy 5 30	2.5
Partly_Cloudy 5 30 86 DIRT_ROAD -15 0.95 1.25 1.50 3.4 4.5 5.4 2.1 2.8 Partly_Cloudy 5 30 86 DIRT_ROAD -10 1.05 1.35 1.60 3.8 4.9 5.8 2.4 3.0 Partly_Cloudy 5 30 86 DIRT_ROAD -5 1.15 1.45 1.70 4.1 5.2 6.1 2.6 3.2 Partly_Cloudy 5 30 86 DIRT_ROAD 0 1.25 1.55 1.85 4.5 5.6 6.7 2.8 3.5 Partly_Cloudy 5 30 86 DIRT_ROAD 5 0.80 1.10 1.35 2.9 4.0 4.9 1.8 2.5 Partly_Cloudy 5 30 86 DIRT_ROAD 10 0.55 0.75 1.00 2.0 2.7 3.6 1.2 1.7 Partly_Cloudy 5 30	2.8
Partly_Cloudy 5 30 86 DIRT_ROAD -15 0.95 1.25 1.50 3.4 4.5 5.4 2.1 2.8 Partly_Cloudy 5 30 86 DIRT_ROAD -10 1.05 1.35 1.60 3.8 4.9 5.8 2.4 3.0 Partly_Cloudy 5 30 86 DIRT_ROAD -5 1.15 1.45 1.70 4.1 5.2 6.1 2.6 3.2 Partly_Cloudy 5 30 86 DIRT_ROAD 0 1.25 1.55 1.85 4.5 5.6 6.7 2.8 3.5 Partly_Cloudy 5 30 86 DIRT_ROAD 5 0.80 1.10 1.35 2.9 4.0 4.9 1.8 2.5 Partly_Cloudy 5 30 86 DIRT_ROAD 10 0.55 0.75 1.00 2.0 2.7 3.6 1.2 1.7 Partly_Cloudy 5 30	3.1
Partly_Cloudy 5 30 86 DIRT_ROAD -10 1.05 1.35 1.60 3.8 4.9 5.8 2.4 3.0 Partly_Cloudy 5 30 86 DIRT_ROAD -5 1.15 1.45 1.70 4.1 5.2 6.1 2.6 3.2 Partly_Cloudy 5 30 86 DIRT_ROAD 0 1.25 1.55 1.85 4.5 5.6 6.7 2.8 3.5 Partly_Cloudy 5 30 86 DIRT_ROAD 5 0.80 1.10 1.35 2.9 4.0 4.9 1.8 2.5 Partly_Cloudy 5 30 86 DIRT_ROAD 10 0.55 0.75 1.00 2.0 2.7 3.6 1.2 1.7 Partly_Cloudy 5 30 86 DIRT_ROAD 15 0.40 0.60 0.80 1.4 2.2 2.9 0.9 1.3 Partly_Cloudy 5 30	3.4
Partly_Cloudy 5 30 86 DIRT_ROAD -5 1.15 1.45 1.70 4.1 5.2 6.1 2.6 3.2 Partly_Cloudy 5 30 86 DIRT_ROAD 0 1.25 1.55 1.85 4.5 5.6 6.7 2.8 3.5 Partly_Cloudy 5 30 86 DIRT_ROAD 5 0.80 1.10 1.35 2.9 4.0 4.9 1.8 2.5 Partly_Cloudy 5 30 86 DIRT_ROAD 10 0.55 0.75 1.00 2.0 2.7 3.6 1.2 1.7 Partly_Cloudy 5 30 86 DIRT_ROAD 15 0.40 0.60 0.80 1.4 2.2 2.9 0.9 1.3 Partly_Cloudy 5 30 86 DIRT_ROAD 20 0.30 0.45 0.60 1.1 1.6 2.2 0.7 1.0 Partly_Cloudy 5 30	3.6
Partly_Cloudy 5 30 86 DIRT_ROAD 0 1.25 1.55 1.85 4.5 5.6 6.7 2.8 3.5 Partly_Cloudy 5 30 86 DIRT_ROAD 5 0.80 1.10 1.35 2.9 4.0 4.9 1.8 2.5 Partly_Cloudy 5 30 86 DIRT_ROAD 10 0.55 0.75 1.00 2.0 2.7 3.6 1.2 1.7 Partly_Cloudy 5 30 86 DIRT_ROAD 15 0.40 0.60 0.80 1.4 2.2 2.9 0.9 1.3 Partly_Cloudy 5 30 86 DIRT_ROAD 20 0.30 0.45 0.60 1.1 1.6 2.2 0.7 1.0 Partly_Cloudy 5 30 86 DIRT_ROAD 30 0.20 0.30 0.45 0.7 1.1 1.6 0.4 0.7 Partly_Cloudy 5 30	3.8
Partly_Cloudy 5 30 86 DIRT_ROAD 5 0.80 1.10 1.35 2.9 4.0 4.9 1.8 2.5 Partly_Cloudy 5 30 86 DIRT_ROAD 10 0.55 0.75 1.00 2.0 2.7 3.6 1.2 1.7 Partly_Cloudy 5 30 86 DIRT_ROAD 15 0.40 0.60 0.80 1.4 2.2 2.9 0.9 1.3 Partly_Cloudy 5 30 86 DIRT_ROAD 20 0.30 0.45 0.60 1.1 1.6 2.2 0.7 1.0 Partly_Cloudy 5 30 86 DIRT_ROAD 30 0.20 0.30 0.45 0.7 1.1 1.6 0.4 0.7 Partly_Cloudy 5 30 86 DIRT_ROAD 40 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partly_Cloudy 5 30	4.1
Partly_Cloudy 5 30 86 DIRT_ROAD 10 0.55 0.75 1.00 2.0 2.7 3.6 1.2 1.7 Partly_Cloudy 5 30 86 DIRT_ROAD 15 0.40 0.60 0.80 1.4 2.2 2.9 0.9 1.3 Partly_Cloudy 5 30 86 DIRT_ROAD 20 0.30 0.45 0.60 1.1 1.6 2.2 0.7 1.0 Partly_Cloudy 5 30 86 DIRT_ROAD 30 0.20 0.30 0.45 0.7 1.1 1.6 0.4 0.7 Partly_Cloudy 5 30 86 DIRT_ROAD 40 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partly_Cloudy 5 30 86 DIRT_ROAD 50 0.10 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partly_Cloudy 5 30	3.0
Partly_Cloudy 5 30 86 DIRT_ROAD 15 0.40 0.60 0.80 1.4 2.2 2.9 0.9 1.3 Partly_Cloudy 5 30 86 DIRT_ROAD 20 0.30 0.45 0.60 1.1 1.6 2.2 0.7 1.0 Partly_Cloudy 5 30 86 DIRT_ROAD 30 0.20 0.30 0.45 0.7 1.1 1.6 0.4 0.7 Partly_Cloudy 5 30 86 DIRT_ROAD 40 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partly_Cloudy 5 30 86 DIRT_ROAD 50 0.10 0.20 0.25 0.4 0.7 0.9 0.2 0.4	2.2
Partly_Cloudy 5 30 86 DIRT_ROAD 20 0.30 0.45 0.60 1.1 1.6 2.2 0.7 1.0 Partly_Cloudy 5 30 86 DIRT_ROAD 30 0.20 0.30 0.45 0.7 1.1 1.6 0.4 0.7 Partly_Cloudy 5 30 86 DIRT_ROAD 40 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partly_Cloudy 5 30 86 DIRT_ROAD 50 0.10 0.20 0.25 0.4 0.7 0.9 0.2 0.4	1.8
Partly_Cloudy 5 30 86 DIRT_ROAD 30 0.20 0.30 0.45 0.7 1.1 1.6 0.4 0.7 Partly_Cloudy 5 30 86 DIRT_ROAD 40 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partly_Cloudy 5 30 86 DIRT_ROAD 50 0.10 0.20 0.25 0.4 0.7 0.9 0.2 0.4	1.3
Partly_Cloudy 5 30 86 DIRT_ROAD 40 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6 Partly_Cloudy 5 30 86 DIRT_ROAD 50 0.10 0.20 0.25 0.4 0.7 0.9 0.2 0.4	1.0
Partly_Cloudy 5 30 86 DIRT_ROAD 50 0.10 0.20 0.25 0.4 0.7 0.9 0.2 0.4	0.8
	0.6
	1.3
Partly_Cloudy 5 30 86 LOOSE_SAND -40 0.35 0.50 0.70 1.3 1.8 2.5 0.8 1.1	1.6
Partly_Cloudy 5 30 86 LOOSE_SAND -30 0.45 0.60 0.80 1.6 2.2 2.9 1.0 1.3	1.8
Partly_Cloudy 5 30 86 LOOSE_SAND -20 0.55 0.75 0.95 2.0 2.7 3.4 1.2 1.7	2.1
Partly_Cloudy 5 30 86 LOOSE_SAND -15 0.60 0.80 1.00 2.2 2.9 3.6 1.3 1.8	2.2
Partly_Cloudy 5 30 86 LOOSE_SAND -10 0.70 0.90 1.10 2.5 3.2 4.0 1.6 2.0	2.5
Partly_Cloudy 5 30 86 LOOSE_SAND -5 0.80 1.00 1.20 2.9 3.6 4.3 1.8 2.2	2.7
Partly_Cloudy 5 30 86 LOOSE_SAND 0 0.90 1.10 1.30 3.2 4.0 4.7 2.0 2.5	2.9
Partly_Cloudy 5 30 86 LOOSE_SAND 5 0.50 0.70 0.85 1.8 2.5 3.1 1.1 1.6	1.9
Partly_Cloudy 5 30 86 LOOSE_SAND 10 0.30 0.45 0.60 1.1 1.6 2.2 0.7 1.0	1.3
Partly_Cloudy 5 30 86 LOOSE_SAND 15 0.20 0.30 0.45 0.7 1.1 1.6 0.4 0.7	1.0
Partly_Cloudy 5 30 86 LOOSE_SAND 20 0.15 0.25 0.35 0.5 0.9 1.3 0.3 0.6	0.8
Partly_Cloudy 5 30 86 LOOSE_SAND 30 0.10 0.15 0.20 0.4 0.5 0.7 0.2 0.3	0.4
Partly_Cloudy 5 30 86 LOOSE_SAND 40 0.05 0.10 0.15 0.2 0.4 0.5 0.1 0.2	0.3
Partly_Cloudy 5 30 86 LOOSE_SAND 50 0.05 0.10 0.15 0.2 0.4 0.5 0.1 0.2	0.0

Table G-7. Maximum Sustainable Speed, Partly Cloudy, 5% Humidity, 35°C (95°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainable ters/sec	ond)	(klio	stainable meters/h	nour)	(r	niles/hou	
						F	ilsk Leve	ei	F	Risk Leve	el	ŀ	Risk Leve	ei
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	5	35	95	BLACK_TOP	-50	0.50	0.75	0.95	1.8	2.7	3.4	1.1	1.7	2.1
Partly_Cloudy	5	35	95	BLACK_TOP	-40	0.60	0.85	1.05	2.2	3.1	3.8	1.3	1.9	2.4
Partly_Cloudy	5	35	95	BLACK_TOP	-30	0.70	0.95	1.20	2.5	3.4	4.3	1.6	2.1	2.7
Partly_Cloudy	5	35	95	BLACK_TOP	-20	0.80	1.10	1.35	2.9	4.0	4.9	1.8	2.5	3.0
Partly_Cloudy	5	35	95	BLACK_TOP	-15	0.90	1.20	1.45	3.2	4.3	5.2	2.0	2.7	3.2
Partly_Cloudy	5	35	95	BLACK_TOP	-10	1.00	1.30	1.55	3.6	4.7	5.6	2.2	2.9	3.5
Partly_Cloudy	5	35	95	BLACK_TOP	-5	1.10	1.40	1.65	4.0	5.0	5.9	2.5	3.1	3.7
Partly_Cloudy	5	35	95	BLACK_TOP	0	1.20	1.50	1.75	4.3	5.4	6.3	2.7	3.4	3.9
Partly_Cloudy	5	35	95	BLACK_TOP	5	0.75	1.05	1.25	2.7	3.8	4.5	1.7	2.4	2.8
Partly_Cloudy	5	35	95	BLACK_TOP	10	0.50	0.75	0.95	1.8	2.7	3.4	1.1	1.7	2.1
Partly_Cloudy	5	35	95	BLACK_TOP	15	0.35	0.55	0.75	1.3	2.0	2.7	0.8	1.2	1.7
Partly_Cloudy	5	3 5	95	BLACK_TOP	20	0.30	0.45	0.60	1.1	1.6	2.2	0.7	1.0	1.3
Partly_Cloudy	5	35	95	BLACK_TOP	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Partly_Cloudy	5	35	95	BLACK_TOP	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partly_Cloudy	5	35	95	BLACK_TOP	50	0.10	0.20	0.25	0.4	0.7	0.9	0.2	0.4	0.6
Partly_Cloudy	5	35	95	DIRT_ROAD	-50	0.45	0.70	0.90	1.6	2.5	3.2	1.0	1.6	2.0
Partly_Cloudy	5	35	95	DIRT_ROAD	-40	0.55	0.80	1.00	2.0	2.9	3.6	1.2	1.8	2.2
Partly_Cloudy	5	35	95	DIRT_ROAD	-30	0.65	0.90	1.10	2.3	3.2	4.0	1.5	2.0	2.5
Partly_Cloudy	5	35	95	DIRT_ROAD	-20	0.75	1.05	1.30	2.7	3.8	4.7	1.7	2.4	2.9
Partly_Cloudy	5	35	95	DIRT_ROAD	-15	0.85	1.15	1.35	3.1	4.1	4.9	1.9	2.6	3.0
Partly_Cloudy	5	35	95	DIRT_ROAD	-10	0.95	1.25	1.45	3.4	4.5	5.2	2.1	2.8	3.2
Partiy_Cloudy	5	35	95	DIRT_ROAD	-5	1.05	1.35	1.55	3.8	4.9	5.6	2.4	3.0	3.5
Partly_Cloudy	5	35	9 5	DIRT_ROAD	0	1.15	1.45	1.70	4.1	5.2	6.1	2.6	3.2	3.8
Partly_Cloudy	5	35	95	DIRT_ROAD	5	0.70	1.00	1.20	2.5	3.6	4.3	1.6	2.2	2.7
Partly_Cloudy	5	35	95	DIRT_ROAD	10	0.45	0.70	0.90	1.6	2.5	3.2	1.0	1.6	2.0
Partly_Cloudy	5	35	95	DIRT_ROAD	15	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Partly_Cloudy	5	35	95	DIRT_ROAD	20	0.25	0.40	0.55	0.9	1.4	2.0	0.6	0.9	1.2
Partly_Cloudy	5	35	95	DIRT_ROAD	30	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Partly_Cloudy	5	35	95	DIRT_ROAD	40	0.10	0.20	0.30	0.4	0.7	1.1	0.2	0.4	0.7
Partly_Cloudy	5	35	95	DIRT_ROAD	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	5	35	95	LOOSE_SAND	-50	0.25	0.40	0.50	0.9	1.4	1.8	0.6	0.9	1.1
Partly_Cloudy	5	35	95	LOOSE_SAND	-40	0.30	0.45	0.60	1.1	1.6	2.2	0.7	1.0	1.3
Partiy_Cloudy	5	35	95	LOOSE_SAND	-30	0.35	0.55	0.70	1.3	2.0	2.5	8.0	1.2	1.6
Partly_Cloudy	5	35	95	LOOSE_SAND	-20	0.45	0.65	0.85	1.6	2.3	3.1	1.0	1.5	1.9
Partly_Cloudy	5	35	95	LOOSE_SAND	-15	0.55	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Partly_Cloudy	5	35	95	LOOSE_SAND	-10	0.60	0.85	1.00	2.2	3.1	3.6	1.3	1.9	2.2
Partly_Cloudy	5	35	95	LOOSE_SAND	-5	0.70	0.95	1.10	2.5	3.4	4.0	1.6	2.1	2.5
Partiy_Cloudy	5	35	95	LOOSE_SAND	0	0.80	1.05	1.20	2.9	3.8	4.3	1.8	2.4	2.7
Partly_Cloudy	5	35	95	LOOSE_SAND	5	0.40	0.60	0.75	1.4	2.2	2.7	0.9	1.3	1.7
Partly_Cloudy	5	35	95	LOOSE_SAND	10	0.25	0.40	0.50	0.9	1.4	1.8	0.6	0.9	1.1
Partly_Cloudy	5	35	95	LOOSE_SAND	15	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Partly_Cloudy	5	35	95	LOOSE_SAND	20	0.10	0.20	0.30	0.4	0.7	1.1	0.2	0.4	0.7
Partly_Cloudy	5	35	95	LOOSE_SAND	30	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	5	35	95	LOOSE_SAND	40	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Partly_Cloudy	5	35	95	LOOSE_SAND	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2

Table G-8. Maximum Sustainable Speed, Partly Cloudy, 25% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco		(kilo	meters/h	our)	(n	niles/hou	ır)
						F	Risk Leve	l	F	lisk Leve	el "	F	Risk Leve	al
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	25	5	41	BLACK_TOP	-50	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Partly_Cloudy	25	5	41	BLACK_TOP	-40	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Partly_Cloudy	25	5	41	BLACK_TOP	-30	1.30	1.55	1.90	4.7	5.6	6.8	2.9	3.5	4.3
Partly_Cloudy	25	5	41	BLACK_TOP	-20	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Partly_Cloudy	25	5	41	BLACK_TOP	-15	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Partly_Cloudy	25	5	41	BLACK_TOP	-10	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
Partly_Cloudy	25	5	41	BLACK_TOP	-5	1.75	2.00	2.40	6.3	7.2	8.6	3.9	4.5	5.4
Partly_Cloudy	25	5	41	BLACK_TOP	0	1.85	2.10	2.50	6.7	7.6	9.0	4.1	4.7	5.6
Partly_Cloudy	25	5	41	BLACK_TOP	5	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Partly_Cloudy	25	5	41	BLACK_TOP	10	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Partly_Cloudy	25	5	41	BLACK_TOP	15	0.80	1.00	1.30	2.9	3.6	4.7	1.8	2.2	2.9
Partly_Cloudy	25	5	41	BLACK_TOP	20	0.65	0.80	1.10	2.3	2.9	4.0	1.5	1.8	2.5
Partly_Cloudy	25	5	41	BLACK_TOP	30	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Partly_Cloudy	25	5	41	BLACK_TOP	40	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Partly_Cloudy	25	5	41	BLACK_TOP	50	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Partly_Cloudy	25	5	41	DIRT_ROAD	-50	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Partly_Cloudy	25	5	41	DIRT_ROAD	-40	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
Partly_Cloudy	25	5	41	DIRT_ROAD	-30	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Partly_Cloudy	25	5	41	DIRT_ROAD	-20	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Partly_Cloudy	25	5	41	DIRT_ROAD	-15	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Partly_Cloudy	25	5	41	DIRT_ROAD	-10	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Partly_Cloudy	25	5	41	DIRT_ROAD	-5	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
Partly_Cloudy	25	5	41	DIRT_ROAD	0	1.75	2.00	2.40	6.3	7.2	8.6	3.9	4.5	5.4
Partly_Cloudy	25	5	41	DIRT_ROAD	5	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Partly_Cloudy	25	5	41	DIRT_ROAD	10	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Partly_Cloudy	25	5	41	DIRT_ROAD	15	0.75	0.90	1.20	2.7	3.2	4.3	1.7	2.0	2.7
Partly_Cloudy	25	5	41	DIRT_ROAD	20	0.60	0.75	1.00	2.2	2.7	3.6	1.3	1.7	2.2
Partly_Cloudy	25	5	41	DIRT_ROAD	30	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Partly_Cloudy	25	5	41	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Partly_Cloudy	25	5	41	DIRT_ROAD	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Partly_Cloudy	25	5	41	LOOSE_SAND	-50	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Partly_Cloudy	25	5	41	LOOSE_SAND	-40	0.65	0.80	1.05	2.3	2.9	3.8	1.5	1.8	2.4
Partly_Cloudy	25	5	41	LOOSE_SAND	-30	0.75	0.90	1.15	2.7	3.2	4.1	1.7	2.0	2.6
Partly_Cloudy	25	5	41	LOOSE_SAND	-20	0.90	1.05	1.35	3.2	3.8	4.9	2.0	2.4	3.0
Partly_Cloudy	25	5	41	LOOSE_SAND	-15	0.95	1.15	1.40	3.4	4.1	5.0	2.1	2.6	3.1
Partly_Cloudy	25	5	41	LOOSE_SAND	-10	1.05	1.25	1.50	3.8	4.5	5.4	2.4	2.8	3.4
Partly_Cloudy	25	5	41	LOOSE_SAND	-5	1.15	1.35	1.60	4.1	4.9	5.8	2.6	3.0	3.6
Partly_Cloudy	25	5	41	LOOSE_SAND	0	1.25	1.45	1.75	4.5	5.2	6.3	2.8	3.2	3.9
Partly_Cloudy	25	5	41	LOOSE_SAND	5	0.80	1.00	1.25	2.9	3.6	4.5	1.8	2.2	2.8
Partly_Cloudy	25	5	41	LOOSE_SAND	10	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Partly_Cloudy	25	5	41	LOOSE_SAND	15	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Partly_Cloudy	25	5	41	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Partly_Cloudy	25	5	41	LOOSE_SAND	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Partly_Cloudy	25	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partly_Cloudy	25	5	41	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table G-9. Maximum Sustainable Speed, Partly Cloudy, 25% Humidity, 10°C (50°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl			stainabl meters/l			stainabl niles/hou	
						ı	Risk Leve	əl	F	Risk Leve	el	F	Risk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	25	10	50	BLACK_TOP	-50	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Partly_Cloudy	25	10	50	BLACK_TOP	-40	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
Partly_Cloudy	25	10	50	BLACK_TOP	-30	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Partly_Cloudy	25	10	50	BLACK_TOP	-20	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Partiy_Cloudy	25	10	50	BLACK_TOP	-15	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Partly_Cloudy	25	10	50	BLACK_TOP	-10	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Partly_Cloudy	25	10	50	BLACK_TOP	-5	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
Partly_Cloudy	25	10	50	BLACK_TOP	0	1.75	2.00	2.40	6.3	7.2	8.6	3.9	4.5	5.4
Partly_Cloudy	25	10	50	BLACK_TOP	5	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Partly_Cloudy	25	10	50	BLACK_TOP	10	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Partly_Cloudy	25	10	50	BLACK_TOP	15	0.70	0.90	1.25	2.5	3.2	4.5	1.6	2.0	2.8
Partly_Cloudy	25	10	50	BLACK_TOP	20	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Partly_Cloudy	25	10	50	BLACK_TOP	30	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Partly_Cloudy	25	10	50	BLACK_TOP	40	0.30	0.40	0.60	1.1	1.4	2.2	0.7	0.9	1.3
Partly_Cloudy	25	10	50	BLACK_TOP	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Partly_Cloudy	25	10	50	DIRT_ROAD	-50	0.85	1.10	1.40	3.1	4.0	5.0	1.9	2.5	3.1
Partiy_Cloudy	25	10	50	DIRT_ROAD	-40	0.95	1.20	1.55	3.4	4.3	5.6	2.1	2.7	3.5
Partly_Cloudy	25	10	50	DIRT_ROAD	-30	1.10	1.35	1.70	4.0	4.9	6.1	2.5	3.0	3.8
Partly_Cloudy	25	10	50	DIRT_ROAD	-20	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Partly_Cloudy	25	10	50	DIRT_ROAD	-15	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Partly_Cloudy	25	10	50	DIRT_ROAD	-10	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Partly_Cloudy	25	10	50	DIRT_ROAD	-5	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Partly_Cloudy	25	10	50	DIRT_ROAD	0	1.65	1.95	2.30	5.9	7.0	8.3	3.7	4.4	5.2
Partly_Cloudy	25	10	50	DIRT_ROAD	5	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Partiy_Cloudy	25	10	50	DIRT_ROAD	10	0.85	1.10	1.40	3.1	4.0	5.0	1.9	2.5	3.1
Partly_Cloudy	25	10	50	DIRT_ROAD	15	0.65	0.85	1.15	2.3	3.1	4.1	1.5	1.9	2.6
Partiy_Cloudy	25	10	50	DIRT_ROAD	20	0.50	0.70	0.95	1.8	2.5	3.4	1.1	1.6	2.1
Partly_Cloudy	25	10	50	DIRT_ROAD	30	0.35	0.50	0.70	1.3	1.8	2.5	0.8	1.1	1.6
Partly_Cloudy	25	10	50	DIRT_ROAD	40	0.25	0.35	0.55	0.9	1.3	2.0	0.6	8.0	1.2
Partly_Cloudy	25	10	50	DIRT_ROAD	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Partiy_Cloudy	25	10	50	LOOSE_SAND	-50	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Partly_Cloudy	25	10	50	LOOSE_SAND	-40	0.60	0.75	0.95	2.2	2.7	3.4	1.3	1.7	2.1
Partiy_Cloudy	25	10	50	LOOSE_SAND	-30	0.70	0.85	1.10	2.5	3.1	4.0	1.6	1.9	2.5
Partly_Cloudy	25	10	50	LOOSE_SAND	-20	0.80	1.00	1.25	2.9	3.6	4.5	1.8	2.2	2.8
Partly_Cloudy	25	10	50	LOOSE_SAND	-15	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
Partly_Cloudy	25	10	50	LOOSE_SAND	-10	1.00	1.20	1.45	3.6	4.3	5.2	2.2	2.7	3.2
Partly_Cloudy	25	10	50	LOOSE_SAND	-5	1.10	1.30	1.55	4.0	4.7	5.6	2.5	2.9	3.5
Partly_Cloudy	25	10	50	LOOSE_SAND	0	1.20	1.40	1.65	4.3	5.0	5.9	2.7	3.1	3.7
Partly_Cloudy	25	10	50	LOOSE_SAND	5	0.75	0.90	1.20	2.7	3.2	4.3	1.7	2.0	2.7
Partly_Cloudy	25	10	50	LOOSE_SAND	10	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Partly_Cloudy	25	10	50	LOOSE_SAND	15	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Partly_Cloudy	25	10	50	LOOSE_SAND	20	0.30	0.35	0.50	1.1	1.3	1.8	0.7	8.0	1.1
Partly_Cloudy	25	10	50	LOOSE_SAND	30	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Partly_Cloudy	25	10	50	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	25	10	50	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table G-10. Maximum Sustainable Speed, Partly Cloudy, 25% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainabio meters/h			stainable niles/hou	
						F	lisk Leve	əl	F	Risk Leve	ol	ı	Risk Leve	əi
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	25	15	59	BLACK_TOP	-50	0.85	1.10	1.40	3.1	4.0	5.0	1.9	2.5	3.1
Partly_Cloudy	25	15	59	BLACK_TOP	-40	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Partly_Cloudy	25	15	59	BLACK_TOP	-30	1.10	1.35	1.70	4.0	4.9	6.1	2.5	3.0	3.8
Partly_Cloudy	25	15	59	BLACK_TOP	-20	1.25	1.50	1.85	4.5	5.4	6.7	2.8	3.4	4.1
Partly_Cloudy	25	15	59	BLACK_TOP	-15	1.35	1.60	1.95	4.9	5.8	7.0	3.0	3.6	4.4
Partly_Cloudy	25	15	59	BLACK_TOP	-10	1.45	1.70	2.05	5.2	6.1	7.4	3.2	3.8	4.6
Partly_Cloudy	25	15	59	BLACK_TOP	- 5	1.55	1.80	2.15	5.6	6.5	7.7	3.5	4.0	4.8
Partly_Cloudy	25	15	59	BLACK_TOP	0	1.65	1.90	2.25	5.9	6.8	8.1	3.7	4.3	5.0
Partly_Cloudy	25	15	59	BLACK_TOP	5	1.15	1.45	1.75	4.1	5.2	6.3	2.6	3.2	3.9
Partly_Cloudy	25	15	59	BLACK_TOP	10	0.85	1.10	1.40	3.1	4.0	5.0	1.9	2.5	3.1
Partiy_Cloudy	25	15	59	BLACK_TOP	15	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Partly_Cloudy	25	15	59	BLACK_TOP	20	0.50	0.70	0.90	1.8	2.5	3.2	1.1	1.6	2.0
Partly_Cloudy	25	15	59	BLACK_TOP	30	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Partly_Cloudy	25	15	59	BLACK_TOP	40	0.25	0.35	0.50	0.9	1.3	1.8	0.6	8.0	1.1
Partly_Cloudy	25	15	59	BLACK_TOP	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Partly_Cloudy	25	15	59	DIRT_ROAD	-50	0.80	1.00	1.30	2.9	3.6	4.7	1.8	2.2	2.9
Partly_Cloudy	25	15	59	DIRT_ROAD	-40	0.90	1.10	1.40	3.2	4.0	5.0	2.0	2.5	3.1
Partly_Cloudy	25	15	59	DIRT_ROAD	-30	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Partly_Cloudy	25	15	59	DIRT_ROAD	-20	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Partly_Cloudy	25	15	59	DIRT_ROAD	-15	1.25	1.50	1.85	4.5	5.4	6.7	2.8	3.4	4.1
Partly_Cloudy	25	15	59	DIRT_ROAD	-10	1.35	1.60	1.95	4.9	5.8	7.0	3.0	3.6	4.4
Partly_Cloudy	25	15	59	DIRT_ROAD	-5	1.45	1.70	2.05	5.2	6.1	7.4	3.2	3.8	4.6
Partiy_Cloudy	25	15	59	DIRT_ROAD	0	1.55	1.85	2.15	5.6	6.7	7.7	3.5	4.1	4.8
Partly_Cloudy	25	15	59	DIRT_ROAD	5	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Partly_Cloudy	25	15	59	DIRT_ROAD	10	0.80	1.00	1.30	2.9	3.6	4.7	1.8	2.2	2.9
Partly_Cloudy	25	15	59	DIRT_ROAD	15	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Partly_Cloudy	25	15	59	DIRT_ROAD	20	0.45	0.60	0.85	1.6	2.2	3.1	1.0	1.3	1.9
Partly_Cloudy	25	15	59	DIRT_ROAD	30	0.30	0.45	0.60	1.1	1.6	2.2	0.7	1.0	1.3
Partly_Cloudy	25	15	59	DIRT_ROAD	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Partly_Cloudy	25	15	59	DIRT_ROAD	50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Partly_Cloudy	25	15	59	LOOSE_SAND	-50	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Partiy_Cloudy	25	15	59	LOOSE_SAND	-40	0.50	0.70	0.90	1.8	2.5	3.2	1.1	1.6	2.0
Partly_Cloudy	25	15	59	LOOSE_SAND	-30	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Partly_Cloudy	25	15	59	LOOSE_SAND	-20	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Partiy_Cloudy	25	15	59	LOOSE_SAND	-15	0.85	1.00	1.25	3.1	3.6	4.5	1.9	2.2	2.8
Partly_Cloudy	25	15	59	LOOSE_SAND	-10	0.90	1.10	1.35	3.2	4.0	4.9	2.0	2.5	3.0
Partly_Cloudy	25	15	59	LOOSE_SAND	-5	1.00	1.20	1.45	3.6	4.3	5.2	2.2	2.7	3.2
Partly_Cloudy	25	15	59	LOOSE_SAND	0	1.15	1.30	1.55	4.1	4.7	5.6	2.6	2.9	3.5
Partly_Cloudy	25	15	59	LOOSE_SAND	5	0.70	0.85	1.10	2.5	3.1	4.0	1.6	1.9	2.5
Partly_Cloudy	25	15	59	LOOSE_SAND	10	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Partly_Cloudy	25	15	59	LOOSE_SAND	15	0.30	0.45	0.60	1.1	1.6	2.2	0.7	1.0	1.3
Partly_Cloudy	25	15	59	LOOSE_SAND	20	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Partly_Cloudy	25	15	59	LOOSE_SAND	30	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partiy_Cloudy	25	15	59	LOOSE_SAND	40	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Partiy_Cloudy	25	15	59	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table G-11. Maximum Sustainable Speed, Partly Cloudy, 25% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainabl ters/sec	ond)		meters/h	our)	(n	niles/hou	
						F	Risk Lev	el	F	lisk Leve	əl	F	Risk Leve	əl
						Low	Mod	Hìgh	Low	Mod	High	Low	Mod	High
Partly_Cloudy	25	20	68	BLACK_TOP	-50	0.75	1.00	1.25	2.7	3.6	4.5	1.7	2.2	2.8
Partly_Cloudy	25	20	68	BLACK_TOP	-40	0.85	1.10	1.35	3.1	4.0	4.9	1.9	2.5	3.0
Partly_Cloudy	25	20	68	BLACK_TOP	-30	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Partly_Cloudy	25	20	68	BLACK_TOP	-20	1.15	1.40	1.70	4.1	5.0	6.1	2.6	3.1	3.8
Partly_Cloudy	25	20	68	BLACK_TOP	-15	1.20	1.50	1.80	4.3	5.4	6.5	2.7	3.4	4.0
Partly_Cloudy	25	20	68	BLACK_TOP	-10	1.30	1.60	1.90	4.7	5.8	6.8	2.9	3.6	4.3
Partiy_Cloudy	25	20	68	BLACK_TOP	-5	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Partiy_Cloudy	25	20	68	BLACK_TOP	0	1.55	1.80	2.10	5.6	6.5	7.6	3.5	4.0	4.7
Partly_Cloudy	25	20	68	BLACK_TOP	5	1.05	1.35	1.60	3.8	4.9	5.8	2.4	3.0	3.6
Partly_Cloudy	25	20	68	BLACK_TOP	10	0.75	1.00	1.25	2.7	3.6	4.5	1.7	2.2	2.8
Partly_Cloudy	25	20	68	BLACK_TOP	15	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Partly_Cloudy	25	20	68	BLACK_TOP	20	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Partly_Cloudy	25	20	68	BLACK_TOP	30	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
Partly_Cloudy	25	20	68	BLACK_TOP	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Partly_Cloudy	25	20	68	BLACK_TOP	50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Partly_Cloudy	25	20	68	DIRT_ROAD	-50	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Partly_Cloudy	25	20	68	DIRT_ROAD	-40	0.80	1.05	1.30	2.9	3.8	4.7	1.8	2.4	2.9
Partly_Cloudy	25	20	68	DIRT_ROAD	-30	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Partly_Cloudy	25	20	68	DIRT_ROAD	-20	1.05	1.35	1.60	3.8	4.9	5.8	2.4	3.0	3.6
Partly_Cloudy	25	20	68	DIRT_ROAD	-15	1.15	1.40	1.70	4.1	5.0	6.1	2.6	3.1	3.8
Partly_Cloudy	25	20	68	DIRT_ROAD	-10	1.25	1.50	1.80	4.5	5.4	6.5	2.8	3.4	4.0
Partly_Cloudy	25	20	68	DIRT_ROAD	-5	1.35	1.60	1.90	4.9	5.8	6.8	3.0	3.6	4.3
Partly_Cloudy	25	20	68	DIRT_ROAD	0	1.45	1.75	2.00	5.2	6.3	7.2	3.2	3.9	4.5
Partly_Cloudy	25	20	68	DIRT_ROAD	5	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Partiy_Cloudy	25	20	68	DIRT_ROAD	10	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Partly_Cloudy	25	20	68	DIRT_ROAD	15	0.50	0.70	0.90	1.8	2.5	3.2	1.1	1.6	2.0
Partly_Cloudy	25	20	68	DIRT_ROAD	20	0.40	0.55	0.75	1.4	2.0	2.7	0.9	1.2	1.7
Partly_Cloudy	25	20	68	DIRT_ROAD	30	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Partiy_Cloudy	25	20	68	DIRT_ROAD	40	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Partly_Cloudy	25	20	68	DIRT_ROAD	50	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Partly_Cloudy	25	20	68	LOOSE_SAND	-50	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Partiy_Cloudy	25	20	68	LOOSE_SAND	-40	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Partiy_Cloudy	25	20	68	LOOSE_SAND	-30	0.55	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Partly_Cloudy	25	20	68	LOOSE_SAND	-20	0.70	0.85	1.05	2.5	3.1	3.8	1.6	1.9	2.4
Partly_Cloudy	25	20	68	LOOSE_SAND	-15	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Partly_Cloudy	25	20	68	LOOSE_SAND	-10	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Partly_Cloudy	25	20	68	LOOSE_SAND	-5	0.95	1.15	1.35	3.4	4.1	4.9	2.1	2.6	3.0
Partly_Cloudy	25	20	68	LOOSE_SAND	0	1.05	1.25	1.45	3.8	4.5	5.2	2.4	2.8	3.2
Partly_Cloudy	25	20	68	LOOSE_SAND	5	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Partly_Cloudy	25	20	68	LOOSE_SAND	10	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Partly_Cloudy	25	20	68	LOOSE_SAND	15	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Partly_Cloudy	25	20	68	LOOSE_SAND	20	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Partly_Cloudy	25	20	68	LOOSE_SAND	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	25	20	68	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	25	20	68	LOOSE_SAND	50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3

Table G-12. Maximum Sustainable Speed, Partly Cloudy, 25% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainable ters/seco	ond)	(kilo	meters/h	iour)	(n	stainable niles/hou	ır)
						F	Risk Leve	əl	F	lisk Lev e	el	F	Risk Leve	el le
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	25	25	77	BLACK_TOP	-50	0.65	0.90	1.10	2.3	3.2	4.0	1.5	2.0	2.5
Partiy_Cloudy	25	25	77	BLACK_TOP	-40	0.75	1.00	1.20	2.7	3.6	4.3	1.7	2.2	2.7
Partly_Cloudy	25	25	77	BLACK_TOP	-30	0.90	1.15	1.35	3.2	4.1	4.9	2.0	2.6	3.0
Partly_Cloudy	25	25	77	BLACK_TOP	-20	1.00	1.30	1.50	3.6	4.7	5.4	2.2	2.9	3.4
Partly_Cloudy	25	25	77	BLACK_TOP	-15	1.10	1.40	1.60	4.0	5.0	5.8	2.5	3.1	3.6
Partly_Cloudy	25	25	77	BLACK_TOP	-10	1.20	1.50	1.70	4.3	5.4	6.1	2.7	3.4	3.8
Partly_Cloudy	25	25	77	BLACK_TOP	-5	1.30	1.60	1.80	4.7	5.8	6.5	2.9	3.6	4.0
Partly_Cloudy	25	25	77	BLACK_TOP	0	1.40	1.70	1.95	5.0	6.1	7.0	3.1	3.8	4.4
Partly_Cloudy	25	25	77	BLACK_TOP	5	0.95	1.20	1.45	3.4	4.3	5.2	2.1	2.7	3.2
Partly_Cloudy	25	25	77	BLACK_TOP	10	0.65	0.90	1.10	2.3	3.2	4.0	1.5	2.0	2.5
Partly_Cloudy	25	25	77	BLACK_TOP	15	0.50	0.70	0.85	1.8	2.5	3.1	1.1	1.6	1.9
Partly_Cloudy	25	25	77	BLACK_TOP	20	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Partiy_Cloudy	25	25	77	BLACK_TOP	30	0.25	0.40	0.50	0.9	1.4	1.8	0.6	0.9	1.1
Partly_Cloudy	25	25	77	BLACK_TOP	40	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Partiy_Cloudy	25	25	77	BLACK_TOP	50	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Partly_Cloudy	25	25	77	DIRT_ROAD	-50	0.60	0.85	1.00	2.2	3.1	3.6	1.3	1.9	2.2
Partly_Cloudy	25	25	77	DIRT_ROAD	-40	0.70	0.95	1.15	2.5	3.4	4.1	1.6	2.1	2.6
Partiy_Cloudy	25	25	77	DIRT_ROAD	-30	0.80	1.05	1.25	2.9	3.8	4.5	1.8	2.4	2.8
Partly_Cloudy	25	25	77	DIRT_ROAD	-20	0.95	1.25	1.45	3.4	4.5	5.2	2.1	2.8	3.2
Partly_Cloudy	25	25	77	DIRT_ROAD	-15	1.05	1.30	1.50	3.8	4.7	5.4	2.4	2.9	3.4
Partly_Cloudy	25	25	77	DIRT_ROAD	-10	1.15	1.40	1.60	4.1	5.0	5.8	2.6	3.1	3.6
Partly_Cloudy	25	25	77	DIRT_ROAD	- 5	1.25	1.50	1.70	4.5	5.4	6.1	2.8	3.4	3.8
Partly_Cloudy	25	25	77	DIRT_ROAD	0	1.35	1.65	1.85	4.9	5.9	6.7	3.0	3.7	4.1
Partly_Cloudy	25	25	77	DIRT_ROAD	5	0.90	1.15	1.35	3.2	4.1	4.9	2.0	2.6	3.0
Partiy_Cloudy	25	25	77	DIRT_ROAD	10	0.60	0.85	1.00	2.2	3.1	3.6	1.3	1.9	2.2
Partiy_Cloudy	25	25	77	DIRT_ROAD	15	0.45	0.65	0.80	1.6	2.3	2.9	1.0	1.5	1.8
Partly_Cloudy	25	25	77	DIRT_ROAD	20	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Partly_Cloudy	25	25	77	DIRT_ROAD	30	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Partly_Cloudy	25	25	77	DIRT_ROAD	40	0.15	0.25	0.35	0.5	0.9	1.3	0.3	0.6	0.8
Partly_Cloudy	25	25	77	DIRT_ROAD	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	25	25	77	LOOSE_SAND	-50	0.35	0.50	0.60	1.3	1.8	2.2	0.8	1.1	1.3
Partly_Cloudy	25	25	77	LOOSE_SAND	-40	0.40	0.55	0.70	1.4	2.0	2.5	0.9	1.2	1.6
Partly_Cloudy	25	25	77	LOOSE_SAND	-30	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Partly_Cloudy	25	25	77	LOOSE_SAND	-20	0.60	0.80	0.95	2.2	2.9	3.4	1.3	1.8	2.1
Partly_Cloudy	25	25	77	LOOSE_SAND	-15	0.70	0.85	1.00	2.5	3.1	3.6	1.6	1.9	2.2
Partly_Cloudy	25	25	77	LOOSE_SAND	-10	0.75	0.95	1.10	2.7	3.4	4.0	1.7	2.1	2.5
Partly_Cloudy	25	25	77	LOOSE_SAND	- 5	0.85	1.05	1.20	3.1	3.8	4.3	1.9	2.4	2.7
Partly_Cloudy	25	25	77	LOOSE_SAND	0	0.95	1.15	1.30	3.4	4.1	4.7	2.1	2.6	2.9
Partly_Cloudy	2 5	25	77	LOOSE_SAND	5	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Partly_Cloudy	25	25	77	LOOSE_SAND	10	0.35	0.50	0.60	1.3	1.8	2.2	0.8	1.1	1.3
Partly_Cloudy	25	25	77	LOOSE_SAND	15	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Partly_Cloudy	25	25	77	LOOSE_SAND	20	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Partly_Cloudy	25	25	77	LOOSE_SAND	30	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Partly_Cloudy	25	25	77	LOOSE_SAND	40	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
Partly_Cloudy	25	25	77	LOOSE_SAND	50	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3

Table G-13. Maximum Sustainable Speed, Partly Cloudy, 25% Humidity, 30°C (86°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco			stainable meters/h		(n	stainable	ır)
						F	isk Leve	əl	F	lisk Leve	i	F	Risk Leve)i
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	25	30	86	BLACK_TOP	-50	0.55	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Partly_Cloudy	25	30	86	BLACK_TOP	-40	0.65	0.90	1.00	2.3	3.2	3.6	1.5	2.0	2.2
Partly_Cloudy	25	30	86	BLACK_TOP	-30	0.75	1.00	1.15	2.7	3.6	4.1	1.7	2.2	2.6
Partly_Cloudy	25	30	86	BLACK_TOP	-20	0.90	1.15	1.30	3.2	4.1	4.7	2.0	2.6	2.9
Partly_Cloudy	25	30	86	BLACK_TOP	-15	1.00	1.25	1.40	3.6	4.5	5.0	2.2	2.8	3.1
Partly_Cloudy	25	30	86	BLACK_TOP	-10	1.10	1.35	1.50	4.0	4.9	5.4	2.5	3.0	3.4
Partly_Cloudy	25	30	86	BLACK_TOP	-5	1.20	1.45	1.60	4.3	5.2	5.8	2.7	3.2	3.6
Partly_Cloudy	25	30	86	BLACK_TOP	0	1.30	1.55	1.70	4.7	5.6	6.1	2.9	3.5	3.8
Partly_Cloudy	25	30	86	BLACK_TOP	5	0.85	1.10	1.25	3.1	4.0	4.5	1.9	2.5	2.8
Partly_Cloudy	25	30	86	BLACK_TOP	10	0.55	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Partly_Cloudy	25	30	86	BLACK_TOP	15	0.40	0.60	0.70	1.4	2.2	2.5	0.9	1.3	1.6
Partiy_Cloudy	25	30	86	BLACK_TOP	20	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
Partly_Cloudy	25	30	86	BLACK_TOP	30	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Partly_Cloudy	25	30	86	BLACK_TOP	40	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Partly_Cloudy	25	30	86	BLACK_TOP	50	0.10	0.20	0.25	0.4	0.7	0.9	0.2	0.4	0.6
Partly_Cloudy	25	30	86	DIRT_ROAD	-50	0.50	0.70	0.85	1.8	2.5	3.1	1.1	1.6	1.9
Partly_Cloudy	25	30	86	DIRT_ROAD	-40	0.60	0.80	0.95	2.2	2.9	3.4	1.3	1.8	2.1
Partly_Cloudy	25	30	86	DIRT_ROAD	-30	0.70	0.95	1.10	2.5	3.4	4.0	1.6	2.1	2.5
Partly_Cloudy	25	30	86	DIRT_ROAD	-20	0.85	1.10	1.25	3.1	4.0	4.5	1.9	2.5	2.8
Partly_Cloudy	25	30	86	DIRT_ROAD	-15	0.95	1.15	1.35	3.4	4.1	4.9	2.1	2.6	3.0
Partiy_Cloudy	25	30	86	DIRT_ROAD	-10	1.00	1.25	1.40	3.6	4.5	5.0	2.2	2.8	3.1
Partiy_Cloudy	25	30	86	DIRT_ROAD	-5	1.10	1.35	1.55	4.0	4.9	5.6	2.5	3.0	3.5
Partiy_Cloudy	25	30	86	DIRT_ROAD	0	1.25	1.50	1.65	4.5	5.4	5.9	2.8	3.4	3.7
Partiy_Cloudy	25	30	86	DIRT_ROAD	5	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Partly_Cloudy	25	30	86	DIRT_ROAD	10	0.50	0.70	0.85	1.8	2.5	3.1	1.1	1.6	1.9
Partly_Cloudy	25	30	86	DIRT_ROAD	15	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Partly_Cloudy	25	30	86	DIRT_ROAD	20	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Partly_Cloudy	25	30	86	DIRT_ROAD	30	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Partly_Cloudy	25	30	86	DIRT_ROAD	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	25	30	86	DIRT_ROAD	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	25	30	86	LOOSE_SAND	-50	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Partly_Cloudy	25	30	86	LOOSE_SAND	-40	0.35	0.50	0.55	1.3	1.8	2.0	0.8	1.1	1.2
Partiy_Cloudy	25	30	86	LOOSE_SAND	-30	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Partly_Cloudy	25	30	86	LOOSE_SAND	-20	0.55	0.70	0.80	2.0	2.5	2.9	1.2	1.6	1.8
Partly_Cloudy	25	30	86	LOOSE_SAND	-15	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Partiy_Cloudy	25	30	86	LOOSE_SAND	-10	0.70	0.85	0.95	2.5	3.1	3.4	1.6	1.9	2.1
Partly_Cloudy	25	30	86	LOOSE_SAND	-5	0.80	0.95	1.05	2.9	3.4	3.8	1.8	2.1	2.4
Partly_Cloudy	25	30	86	LOOSE_SAND	0	0.90	1.05	1.20	3.2	3.8	4.3	2.0	2.4	2.7
Partly_Cloudy	25	30	86	LOOSE_SAND	5	0.45	0.65	0.75	1.6	2.3	2.7	1.0	1.5	1.7
Partly_Cloudy	25	30	86	LOOSE_SAND	10	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Partly_Cloudy	25	30	86	LOOSE_SAND	15	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	8.0
Partly_Cloudy	25	30	86	LOOSE_SAND	20	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	25	30	86	LOOSE_SAND	30	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	25	30	86	LOOSE_SAND	40	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Partly_Cloudy	25	30	86	LOOSE_SAND	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2

Table G-14. Maximum Sustainable Speed, Partly Cloudy, 25% Humidity, 35°C (95°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec		Max Su (kilo	stainabl meters/i			stainabl	
						F	Risk Leve	əl	F	Risk Leve	əl	F	Risk Lev	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	25	35	95	BLACK_TOP	-50	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Partly_Cloudy	25	35	95	BLACK_TOP	-40	0.55	0.70	0.80	2.0	2.5	2.9	1.2	1.6	1.8
Partly_Cloudy	25	35	95	BLACK_TOP	-30	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
Partly_Cloudy	25	35	95	BLACK_TOP	-20	0.80	0.95	1.10	2.9	3.4	4.0	1.8	2.1	2.5
Partly_Cloudy	25	35	95	BLACK_TOP	-15	0.85	1.00	1.15	3.1	3.6	4.1	1.9	2.2	2.6
Partly_Cloudy	25	35	95	BLACK_TOP	-10	0.95	1.10	1.25	3.4	4.0	4.5	2.1	2.5	2.8
Partly_Cloudy	25	35	95	BLACK_TOP	-5	1.05	1.20	1.35	3.8	4.3	4.9	2.4	2.7	3.0
Partly_Cloudy	25	35	95	BLACK_TOP	0	1.15	1.30	1.50	4.1	4.7	5.4	2.6	2.9	3.4
Partly_Cloudy	25	35	95	BLACK_TOP	5	0.70	0.85	1.00	2.5	3.1	3.6	1.6	1.9	2.2
Partly_Cloudy	25	35	95	BLACK_TOP	10	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Partly_Cloudy	25	35	95	BLACK_TOP	15	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Partly_Cloudy	25	35	95	BLACK_TOP	20	0.25	0.35	0.40	0.9	1.3	1.4	0.6	8.0	0.9
Partly_Cloudy	25	35	95	BLACK_TOP	30	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partly_Cloudy	25	35	95	BLACK_TOP	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	25	35	95	BLACK_TOP	50	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
Partly_Cloudy	25	35	95	DIRT_ROAD	-50	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Partly_Cloudy	25	35	95	DIRT_ROAD	-40	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
Partly_Cloudy	25	35	9 5	DIRT_ROAD	-30	0.60	0.75	0.85	2.2	2.7	3.1	1.3	1.7	1.9
Partly_Cloudy	25	35	95	DIRT_ROAD	-20	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
Partly_Cloudy	25	35	95	DIRT_ROAD	-15	0.80	0.95	1.10	2.9	3.4	4,0	1.8	2.1	2.5
Partly_Cloudy	25	35	95	DIRT_ROAD	-10	0.90	1.05	1.20	3.2	3.8	4.3	2.0	2.4	2.7
Partly_Cloudy	25	35	95	DIRT_ROAD	-5	1.00	1.15	1.30	3.6	4.1	4.7	2.2	2.6	2.9
Partly_Cloudy	25	35	95	DIRT_ROAD	0	1.10	1.25	1.40	4.0	4.5	5.0	2.5	2.8	3.1
Partly_Cloudy	25	35	95	DIRT_ROAD	5	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
Partly_Cloudy	25	35	95	DIRT_ROAD	10	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Partly_Cloudy	25	35	95	DIRT_ROAD	15	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Partly_Cloudy	25	35	95	DIRT_ROAD	20	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Partly_Cloudy	25	35	95	DIRT_ROAD	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	25	35	95	DIRT_ROAD	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partiy_Cloudy	25	35	95	DIRT_ROAD	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Partly_Cloudy	25	35	95	LOOSE_SAND	-50	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Partly_Cloudy	25	35	95	LOOSE_SAND	-40	0.30	0.35	0.45	1.1	1.3	1.6	0.7	8.0	1.0
Partly_Cloudy	25	35	95	LOOSE_SAND	-30	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Partly_Cloudy	25	35	95	LOOSE_SAND	-20	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Partiy_Cloudy	25	35	95	LOOSE_SAND	-15	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
Partly_Cloudy	25	35	95	LOOSE_SAND	-10	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Partly_Cloudy	25	35	95	LOOSE_SAND	-5	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
Partly_Cloudy	25	35	95	LOOSE_SAND	0	0.80	0.90	1.00	2.9	3.2	3.6	1.8	2.0	2.2
Partly_Cloudy	25	35	9 5	LOOSE_SAND	5	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Partiy_Cloudy	25	35	95	LOOSE_SAND	10	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Partly_Cloudy	25	35	95	LOOSE_SAND	15	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	25	35	95	LOOSE_SAND	20	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	25	35	95	LOOSE_SAND	30	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Partly_Cloudy	25	35	95	LOOSE_SAND	40	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Partly_Cloudy	25	35	95	LOOSE_SAND	50	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1

Table G-15. Maximum Sustainable Speed, Partly Cloudy, 50% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco			stainable meters/f		Max Su (n	stainable niles/hou	
i						F	lisk Leve	əl	F	lisk Leve	əl	F	lisk Leve	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	50	5	41	BLACK_TOP	-50	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Partly_Cloudy	50	5	41	BLACK_TOP	-40	1.15	1.35	1.75	4.1	4.9	6.3	2.6	3.0	3.9
Partly_Cloudy	50	5	41	BLACK_TOP	-30	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Partly_Cloudy	50	5	41	BLACK_TOP	-20	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Partly_Cloudy	50	5	41	BLACK_TOP	-15	1.50	1.80	2.20	5.4	6.5	7.9	3.4	4.0	4.9
Partly_Cloudy	50	5	41	BLACK_TOP	-10	1.60	1.90	2.30	5.8	6.8	8.3	3.6	4.3	5.2
Partly_Cloudy	50	5	41	BLACK_TOP	-5	1.75	2.00	2.40	6.3	7.2	8.6	3.9	4.5	5.4
Partly_Cloudy	50	5	41	BLACK_TOP	0	1.85	2.10	2.50	6.7	7.6	9.0	4.1	4.7	5.6
Partly_Cloudy	50	5	41	BLACK_TOP	5	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Partiy_Cloudy	50	5	41	BLACK_TOP	10	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Partly_Cloudy	50	5	41	BLACK_TOP	15	0.80	1.00	1.30	2.9	3.6	4.7	1.8	2.2	2.9
Partly_Cloudy	50	5	41	BLACK_TOP	20	0.65	0.80	1.10	2.3	2.9	4.0	1.5	1.8	2.5
Partly_Cloudy	50	5	41	BLACK_TOP	30	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Partly_Cloudy	50	5	41	BLACK_TOP	40	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Partly_Cloudy	50	5	41	BLACK_TOP	50	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Partiy_Cloudy	50	5	41	DIRT_ROAD	-50	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Partly_Cloudy	50	5	41	DIRT_ROAD	-40	1.05	1.30	1.65	3.8	4.7	5.9	2.4	2.9	3.7
Partly_Cloudy	50	5	41	DIRT_ROAD	-30	1.20	1.45	1.80	4.3	5.2	6.5	2.7	3.2	4.0
Partly_Cloudy	50	5	41	DIRT_ROAD	-20	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Partly_Cloudy	50	5	41	DIRT_ROAD	-15	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Partly_Cloudy	50	5	41	DIRT_ROAD	-10	1.55	1.80	2.20	5.6	6.5	7.9	3.5	4.0	4.9
Partly_Cloudy	50	5	41	DIRT_ROAD	-5	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
Partly_Cloudy	50	5	41	DIRT_ROAD	0	1.75	2.00	2.40	6.3	7.2	8.6	3.9	4.5	5.4
Partly_Cloudy	50	5	41	DIRT_ROAD	5	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Partly_Cloudy	50	5	41	DIRT_ROAD	10	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Partly_Cloudy	50	5	41	DIRT_ROAD	15	0.70	0.90	1.20	2.5	3.2	4.3	1.6	2.0	2.7
Partly_Cloudy	50	5	41	DIRT_ROAD	20	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Partly_Cloudy	50	5	41	DIRT_ROAD	30	0.40	0.50	0.75	1.4	1.8	2.7	0.9	1.1	1.7
Partly_Cloudy	50	5	41	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Partly_Cloudy	50	5	41	DIRT_ROAD	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Partly_Cloudy	50	5	41	LOOSE_SAND	-50	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Partly_Cloudy	50	5	41	LOOSE_SAND	-40	0.65	0.80	1.05	2.3	2.9	3.8	1.5	1.8	2.4
Partly_Cloudy	50	5	41	LOOSE_SAND	-30	0.75	0.90	1.15	2.7	3.2	4.1	1.7	2.0	2.6
Partly_Cloudy	50	5	41	LOOSE_SAND	-20	0.90	1.05	1.35	3.2	3.8	4.9	2.0	2.4	3.0
Partly_Cloudy	50	5	41	LOOSE_SAND	-15	0.95	1.15	1.40	3.4	4.1	5.0	2.1	2.6	3.1
Partly_Cloudy	50	5	41	LOOSE_SAND	-10	1.05	1.25	1.50	3.8	4.5	5.4	2.4	2.8	3.4
Partiy_Cloudy	50	5	41	LOOSE_SAND	-5	1.15	1.35	1.60	4.1	4.9	5.8	2.6	3.0	3.6
Partly_Cloudy	50	5	41	LOOSE_SAND	0	1.25	1.45	1.75	4.5	5.2	6.3	2.8	3.2	3.9
Partiy_Cloudy	50	5	41	LOOSE_SAND	5	0.80	1.00	1.25	2.9	3.6	4.5	1.8	2.2	2.8
Partly_Cloudy	50	5	41	LOOSE_SAND	10	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Partly_Cloudy	50	5	41	LOOSE_SAND	15	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Partly_Cloudy	50	5	41	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Partly_Cloudy	50	5	41	LOOSE_SAND	30	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Partly_Cloudy	50	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partiy_Cloudy	50	5	41	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table G-16. Maximum Sustainable Speed, Partly Cloudy, 50% Humidity, 10°C (50°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	1	stainable ters/sec	•		stainable meters/f			stainabi niles/hou	
						F	Risk Leve	el	F	lisk Leve	el .	F	Risk Leve	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	50	10	50	BLACK_TOP	-50	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Partly_Cloudy	50	10	50	BLACK_TOP	-40	1.05	1.30	1.60	3.8	4.7	5.8	2.4	2.9	3.6
Partly_Cloudy	50	10	50	BLACK_TOP	-30	1.15	1.45	1.75	4.1	5.2	6.3	2.6	3.2	3.9
Partly_Cloudy	50	10	50	BLACK_TOP	-20	1.35	1.60	1.95	4.9	5.8	7.0	3.0	3.6	4.4
Partly_Cloudy	50	10	50	BLACK_TOP	-15	1.40	1.70	2.05	5.0	6.1	7.4	3.1	3.8	4.6
Partly_Cloudy	50	10	50	BLACK_TOP	-10	1.50	1.80	2.15	5.4	6.5	7.7	3.4	4.0	4.8
Partly_Cloudy	50	10	50	BLACK_TOP	-5	1.60	1.90	2.25	5.8	6.8	8.1	3.6	4.3	5.0
Partly_Cloudy	50	10	50	BLACK_TOP	0	1.75	2.00	2.35	6.3	7.2	8.5	3.9	4.5	5.3
Partiy_Cloudy	50	10	50	BLACK_TOP	5	1.25	1.50	1.85	4.5	5.4	6.7	2.8	3.4	4.1
Partly_Cloudy	50	10	50	BLACK_TOP	10	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Partly_Cloudy	50	10	50	BLACK_TOP	15	0.70	0.90	1.20	2.5	3.2	4.3	1.6	2.0	2.7
Partly_Cloudy	50	10	50	BLACK_TOP	20	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Partly_Cloudy	50	10	50	BLACK_TOP	30	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Partly_Cloudy	50	10	50	BLACK_TOP	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Partly_Cloudy	50	10	50	BLACK_TOP	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Partly_Cloudy	50	10	50	DIRT_ROAD	-50	0.85	1.05	1.35	3.1	3.8	4.9	1.9	2.4	3.0
Partly_Cloudy	50	10	50	DIRT_ROAD	-40	0.95	1.20	1.50	3.4	4.3	5.4	2.1	2.7	3.4
Partly_Cloudy	50	10	50	DIRT_ROAD	-30	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Partly_Cloudy	50	10	50	DIRT_ROAD	-20	1.25	1.50	1.85	4.5	5.4	6.7	2.8	3.4	4.1
Partly_Cloudy	50	10	50	DIRT_ROAD	-15	1.35	1.60	1.90	4.9	5.8	6.8	3.0	3.6	4.3
Partly_Cloudy	50	10	50	DIRT_ROAD	-10	1.45	1.70	2.05	5.2	6.1	7.4	3.2	3.8	4.6
Partly_Cloudy	50	10	50	DIRT_ROAD	-5	1.55	1.80	2.15	5.6	6.5	7.7	3.5	4.0	4.8
Partly_Cloudy	50	10	50	DIRT_ROAD	0	1.65	1.90	2.25	5.9	6.8	8.1	3.7	4.3	5.0
Partly_Cloudy	50	10	50	DIRT_ROAD	5	1.15	1.40	1.75	4.1	5.0	6.3	2.6	3.1	3.9
Partly_Cloudy	50	10	50	DIRT_ROAD	10	0.85	1.05	1.35	3.1	3.8	4.9	1.9	2.4	3.0
Partly_Cloudy	50	10	50	DIRT_ROAD	15	0.65	0.85	1.10	2.3	3.1	4.0	1.5	1.9	2.5
Partly_Cloudy	50	10	50	DIRT_ROAD	20	0.50	0.70	0.90	1.8	2.5	3.2	1.1	1.6	2.0
Partly_Cloudy	50	10	50	DIRT_ROAD	30	0.35	0.50	0.65	1.3	1.8	2.3	0.8	1.1	1.5
Partly_Cloudy	50	10	50	DIRT_ROAD	40	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Partly_Cloudy	50	10	50	DIRT_ROAD	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Partly_Cloudy	50	10	50	LOOSE_SAND	-50	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Partly_Cloudy	50	10	50	LOOSE_SAND	-40	0.55	0.75	0.95	2.0	2.7	3.4	1.2	1.7	2.1
Partly_Cloudy	50	10	50	LOOSE_SAND	-30	0.70	0.85	1.05	2.5	3.1	3.8	1.6	1.9	2.4
Partly_Cloudy	50	10	50	LOOSE_SAND	-20	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Partly_Cloudy	50	10	50	LOOSE_SAND	-15	0.90	1.05	1.30	3.2	3.8	4.7	2.0	2.4	2.9
Partiy_Cloudy	50	10	50	LOOSE_SAND	-10	1.00	1.15	1.40	3.6	4.1	5.0	2.2	2.6	3.1
Partly_Cloudy	50	10	50	LOOSE_SAND	-5	1.10	1.25	1.50	4.0	4.5	5.4	2.5	2.8	3.4
Partly_Cloudy	50	10	50	LOOSE_SAND	0	1.20	1.40	1.60	4.3	5.0	5.8	2.7	3.1	3.6
Partly_Cloudy	50	10	50	LOOSE_SAND	5	0.75	0.90	1.15	2.7	3.2	4.1	1.7	2.0	2.6
Partly_Cloudy	50	10	50	LOOSE_SAND	10	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Partly_Cloudy	50	10	50	LOOSE_SAND	15	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Partly_Cloudy	50	10	50	LOOSE_SAND	20	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Partly_Cloudy	50	10	50	LOOSE_SAND	30	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Partly_Cloudy	50	10	50	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	50	10	5C	LOOSE_SAND	50	0.10	0.15	0:20	0:4	0.5	0.7	0.2	0:3	0.4

Table G-17. Maximum Sustainable Speed, Partly Cloudy, 50% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainable ters/sec	ond)	(kilo	meters/h	our)	(n	stainable niles/hou	ır)
						F	lisk Leve	el	F	lisk Leve	əl	F	Risk Leve	el :
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partiy_Cloudy	50	15	59	BLACK_TOP	-50	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Partly_Cloudy	50	15	59	BLACK_TOP	-40	0.95	1.20	1.45	3.4	4.3	5.2	2.1	2.7	3.2
Partly_Cloudy	50	15	59	BLACK_TOP	-30	1.05	1.35	1.60	3.8	4.9	5.8	2.4	3.0	3.6
Partly_Cloudy	50	15	59	BLACK_TOP	-20	1.20	1.50	1.75	4.3	5.4	6.3	2.7	3.4	3.9
Partly_Cloudy	50	15	59	BLACK_TOP	-15	1.30	1.60	1.85	4.7	5.8	6.7	2.9	3.6	4.1
Partly_Cloudy	50	15	59	BLACK_TOP	-10	1.40	1.70	1.95	5.0	6.1	7.0	3.1	3.8	4.4
Partly_Cloudy	50	15	59	BLACK_TOP	-5	1.50	1.80	2.05	5.4	6.5	7.4	3.4	4.0	4.6
Partly_Cloudy	50	15	59	BLACK_TOP	0	1.65	1.90	2.20	5.9	6.8	7.9	3.7	4.3	4.9
Partly_Cloudy	50	15	59	BLACK_TOP	5	1.15	1.40	1.65	4.1	5.0	5.9	2.6	3.1	3.7
Partly_Cloudy	50	15	59	BLACK_TOP	10	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Partly_Cloudy	50	15	59	BLACK_TOP	15	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Partly_Cloudy	50	15	59	BLACK_TOP	20	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Partly_Cloudy	50	15	59	BLACK_TOP	30	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Partly_Cloudy	50	15	59	BLACK_TOP	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Partly_Cloudy	50	15	59	BLACK_TOP	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Partly_Cloudy	50	15	59	DIRT_ROAD	-50	0.75	1.00	1.20	2.7	3.6	4.3	1.7	2.2	2.7
Partly_Cloudy	50	15	59	DIRT_ROAD	-40	0.85	1.10	1.35	3.1	4.0	4.9	1.9	2.5	3.0
Partly_Cloudy	50	15	59	DIRT_ROAD	-30	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Partly_Cloudy	50	15	59	DIRT_ROAD	-20	1.15	1.40	1.65	4.1	5.0	5.9	2.6	3.1	3.7
Partly_Cloudy	50	15	59	DIRT_ROAD	-15	1.25	1.50	1.75	4.5	5.4	6.3	2.8	3.4	3.9
Partly_Cloudy	50	15	59	DIRT_ROAD	-10	1.35	1.60	1.85	4.9	5.8	6.7	3.0	3.6	4.1
Partly_Cloudy	50	15	59	DIRT_ROAD	-5	1.45	1.70	1.95	5.2	6.1	7.0	3.2	3.8	4.4
Partly_Cloudy	50	15	59	DIRT_ROAD	0	1.55	1.80	2.10	5.6	6.5	7.6	3.5	4.0	4.7
Partly_Cloudy	50	15	59	DIRT_ROAD	5	1.05	1.30	1.55	3.8	4.7	5.6	2.4	2.9	3.5
Partly_Cloudy	50	15	59	DIRT_ROAD	10	0.75	1.00	1.20	2.7	3.6	4.3	1.7	2.2	2.7
Partly_Cloudy	50	15	59	DIRT_ROAD	15	0.60	0.75	0.95	2.2	2.7	3.4	1.3	1.7	2.1
Partly_Cloudy	50	15	59	DIRT_ROAD	20	0.45	0.60	0.80	1.6	2.2	2.9	1.0	1.3	1.8
Partly_Cloudy	50	15	59	DIRT_ROAD	30	0.30	0.45	0.55	1.1	1.6	2.0	0.7	1.0	1.2
Partly_Cloudy	50	15	59	DIRT_ROAD	40	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Partly_Cloudy	50	15	59	DIRT_ROAD	50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Partly_Cloudy	50	15	59	LOOSE_SAND	-50	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Partly_Cloudy	50	15	59	LOOSE_SAND	-40	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Partly_Cloudy	50	15	59	LOOSE_SAND	-30	0.60	0.80	0.95	2.2	2.9	3.4	1.3	1.8	2.1
Partly_Cloudy	50	15	59	LOOSE_SAND	-20	0.75	0.90	1.10	2.7	3.2	4.0	1.7	2.0	2.5
Partly_Cloudy	50	15	59	LOOSE_SAND	-15	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Partly_Cloudy	50	15	59	LOOSE_SAND	-10	0.90	1.10	1.30	3.2	4.0	4.7	2.0	2.5	2.9
Partiy_Cloudy	50	15	59	LOOSE_SAND	-5	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Partly_Cloudy	50	15	59	LOOSE_SAND	0	1.10	1.30	1.50	4.0	4.7	5.4	2.5	2.9	3.4
Partly_Cloudy	50	15	59	LOOSE_SAND	5	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
Partly_Cloudy	50	15	59	LOOSE_SAND	10	0.45	0.60	0.75	1.6	2.2	2.7	1.0	1.3	1.7
Partly_Cloudy	50	15	59	LOOSE_SAND	15	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Partly_Cloudy	50	15	59	LOOSE_SAND	20	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Partly_Cloudy	50	15	59	LOOSE_SAND	30	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partly_Cloudy	50	15	59	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	50	15	59	LOOSE_SAND	50	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3

Table G-18. Maximum Sustainable Speed, Partly Cloudy, 50% Humidity, 20°C (68°F)

Partly_Cloudy 50 20 68 BLACK_TOP -50 0 Partly_Cloudy 50 20 68 BLACK_TOP -40 0 Partly_Cloudy 50 20 68 BLACK_TOP -30 0 Partly_Cloudy 50 20 68 BLACK_TOP -20 1 Partly_Cloudy 50 20 68 BLACK_TOP -15 1 Partly_Cloudy 50 20 68 BLACK_TOP -10 1 Partly_Cloudy 50 20 68 BLACK_TOP -5 1 Partly_Cloudy 50 20 68 BLACK_TOP 0 1 Partly_Cloudy 50 20 68 BLACK_TOP 15 0 Partly_Cloudy 50 20 68 BLACK_TOP 15 0 Partly_Cloudy 50 20 68 BLACK_TOP 15 0 Partly_Cloudy 50 20 68	Risk Le ow Mod 75 0.95 85 1.10 95 1.20 10 1.40 20 1.45 30 1.55 40 1.65 50 1.30 75 0.95 45 0.60 30 0.40 20 0.30 15 0.25 70 0.90 80 1.00 90 1.15 05 1.30 15 1.40 20 1.50	1.15 1.25 1.40 1.55 1.65 1.75 1.85 2.00 1.50 1.15 0.90 0.70 0.50 0.40 0.30 1.05 1.15 1.30 1.50 1.50	2.7 3.1 3.4 4.0 4.3 4.7 5.0 5.4 3.8 2.7 2.0 1.6 1.1 0.7 0.5 2.5 2.9 3.2 3.8 4.1	Mod 3.4 4.0 4.3 5.0 5.2 5.6 5.9 6.5 4.7 3.4 2.7 2.2 1.4 1.1 0.9 3.2 3.6 4.1 4.7 5.0	High 4.1 4.5 5.0 5.6 5.9 6.3 6.7 7.2 5.4 4.1 3.2 2.5 1.8 1.4 1.1 3.8 4.1 4.7 5.4	1.7 1.9 2.1 2.5 2.7 2.9 3.1 3.4 2.4 1.7 1.2 1.0 0.7 0.4 0.3 1.6 1.8 2.0 2.4	2.1 2.5 2.7 3.1 3.2 3.5 3.7 4.0 2.9 2.1 1.7 1.3 0.9 0.7 0.6 2.0 2.2 2.6	High 2.6 2.8 3.1 3.5 3.7 3.9 4.1 4.5 3.4 2.6 2.0 1.6 1.1 0.9 0.7 2.4 2.6 2.9
Partly_Cloudy 50 20 68 BLACK_TOP -50 0 Partly_Cloudy 50 20 68 BLACK_TOP -40 0 Partly_Cloudy 50 20 68 BLACK_TOP -30 0 Partly_Cloudy 50 20 68 BLACK_TOP -20 1 Partly_Cloudy 50 20 68 BLACK_TOP -15 1 Partly_Cloudy 50 20 68 BLACK_TOP -10 1 Partly_Cloudy 50 20 68 BLACK_TOP -5 1 Partly_Cloudy 50 20 68 BLACK_TOP 0 1 Partly_Cloudy 50 20 68 BLACK_TOP 10 0 Partly_Cloudy 50 20 68 BLACK_TOP 15 0 Partly_Cloudy 50 20 68 BLACK_TOP 10 0 Partly_Cloudy 50 20 68	75 0.95 85 1.10 95 1.20 10 1.40 20 1.45 30 1.55 40 1.65 50 1.80 05 1.30 75 0.95 55 0.75 45 0.60 30 0.40 20 0.30 15 0.25 70 0.90 80 1.00 90 1.15 05 1.30 15 1.40	1.15 1.25 1.40 1.55 1.65 1.75 1.85 2.00 1.50 1.15 0.90 0.70 0.50 0.40 0.30 1.05 1.15 1.30 1.50	2.7 3.1 3.4 4.0 4.3 4.7 5.0 5.4 3.8 2.7 2.0 1.6 1.1 0.7 0.5 2.5 2.9 3.2	3.4 4.0 4.3 5.0 5.2 5.6 5.9 6.5 4.7 3.4 2.7 2.2 1.4 1.1 0.9 3.2 3.6 4.1 4.7	4.1 4.5 5.0 5.6 5.9 6.3 6.7 7.2 5.4 4.1 3.2 2.5 1.8 1.4 1.1 3.8 4.1	1.7 1.9 2.1 2.5 2.7 2.9 3.1 3.4 2.4 1.7 1.2 1.0 0.7 0.4 0.3 1.6 1.8 2.0	2.1 2.5 2.7 3.1 3.2 3.5 3.7 4.0 2.9 2.1 1.7 1.3 0.9 0.7 0.6 2.0 2.2 2.6	2.6 2.8 3.1 3.5 3.7 3.9 4.1 4.5 3.4 2.6 2.0 1.6 1.1 0.9 0.7 2.4 2.6
Partly_Cloudy 50 20 68 BLACK_TOP -40 0 Partly_Cloudy 50 20 68 BLACK_TOP -30 0 Partly_Cloudy 50 20 68 BLACK_TOP -20 1 Partly_Cloudy 50 20 68 BLACK_TOP -15 1 Partly_Cloudy 50 20 68 BLACK_TOP -5 1 Partly_Cloudy 50 20 68 BLACK_TOP -5 1 Partly_Cloudy 50 20 68 BLACK_TOP 5 1 Partly_Cloudy 50 20 68 BLACK_TOP 10 0 Partly_Cloudy 50 20 68 BLACK_TOP 15 0 Partly_Cloudy 50 20 68 BLACK_TOP 30 0 Partly_Cloudy 50 20 68 BLACK_TOP 40 0 Partly_Cloudy 50 20 68	85 1.10 95 1.20 10 1.40 20 1.45 30 1.55 40 1.65 50 1.80 05 1.30 75 0.95 55 0.75 45 0.60 30 0.40 20 0.30 15 0.25 70 0.90 80 1.00 90 1.15 05 1.30 15 1.40	1.25 1.40 1.55 1.65 1.75 1.85 2.00 1.50 1.15 0.90 0.70 0.50 0.40 0.30 1.05 1.15 1.30 1.50 1.55	3.1 3.4 4.0 4.3 4.7 5.0 5.4 3.8 2.7 2.0 1.6 1.1 0.7 0.5 2.5 2.9 3.2 3.8	4.0 4.3 5.0 5.2 5.6 5.9 6.5 4.7 3.4 2.7 2.2 1.4 1.1 0.9 3.2 3.6 4.1 4.7	4.5 5.0 5.6 5.9 6.3 6.7 7.2 5.4 4.1 3.2 2.5 1.8 1.4 1.1 3.8 4.1 4.7	1.9 2.1 2.5 2.7 2.9 3.1 3.4 2.4 1.7 1.2 1.0 0.7 0.4 0.3 1.6 1.8 2.0	2.5 2.7 3.1 3.2 3.5 3.7 4.0 2.9 2.1 1.7 1.3 0.9 0.7 0.6 2.0 2.2 2.6	2.8 3.1 3.5 3.7 3.9 4.1 4.5 3.4 2.6 2.0 1.6 1.1 0.9 0.7 2.4 2.6
Partiy_Cloudy 50 20 68 BLACK_TOP -30 0 Partiy_Cloudy 50 20 68 BLACK_TOP -20 1 Partiy_Cloudy 50 20 68 BLACK_TOP -15 1 Partiy_Cloudy 50 20 68 BLACK_TOP -10 1 Partiy_Cloudy 50 20 68 BLACK_TOP -5 1 Partiy_Cloudy 50 20 68 BLACK_TOP 5 1 Partiy_Cloudy 50 20 68 BLACK_TOP 10 0 Partiy_Cloudy 50 20 68 BLACK_TOP 15 0 Partiy_Cloudy 50 20 68 BLACK_TOP 30 0 Partiy_Cloudy 50 20 68 BLACK_TOP 30 0 Partiy_Cloudy 50 20 68 BLACK_TOP 30 0 Partiy_Cloudy 50 20 68	95 1.20 10 1.40 20 1.45 30 1.55 40 1.65 50 1.80 05 1.30 75 0.95 55 0.75 45 0.60 30 0.40 20 0.30 15 0.25 70 0.90 80 1.00 90 1.15 05 1.30 15 1.40	1.40 1.55 1.65 1.75 1.85 2.00 1.50 1.15 0.90 0.70 0.50 0.40 0.30 1.05 1.15 1.30 1.50	3.4 4.0 4.3 4.7 5.0 5.4 3.8 2.7 2.0 1.6 1.1 0.7 0.5 2.5 2.9 3.2	4.3 5.0 5.2 5.6 5.9 6.5 4.7 3.4 2.7 2.2 1.4 1.1 0.9 3.2 3.6 4.1 4.7	5.0 5.6 5.9 6.3 6.7 7.2 5.4 4.1 3.2 2.5 1.8 1.4 1.1 3.8 4.1	2.1 2.5 2.7 2.9 3.1 3.4 2.4 1.7 1.2 1.0 0.7 0.4 0.3 1.6 1.8 2.0	2.7 3.1 3.2 3.5 3.7 4.0 2.9 2.1 1.7 1.3 0.9 0.7 0.6 2.0 2.2 2.6	3.1 3.5 3.7 3.9 4.1 4.5 3.4 2.6 2.0 1.6 1.1 0.9 0.7 2.4 2.6
Partiy_Cloudy 50 20 68 BLACK_TOP -20 1 Partiy_Cloudy 50 20 68 BLACK_TOP -15 1 Partiy_Cloudy 50 20 68 BLACK_TOP -10 1 Partiy_Cloudy 50 20 68 BLACK_TOP -5 1 Partiy_Cloudy 50 20 68 BLACK_TOP 0 1 Partiy_Cloudy 50 20 68 BLACK_TOP 10 0 Partiy_Cloudy 50 20 68 BLACK_TOP 15 0 Partiy_Cloudy 50 20 68 BLACK_TOP 10 0 Partiy_Cloudy 50 20 68 BLACK_TOP 20 0 Partiy_Cloudy 50 20 68 BLACK_TOP 30 0 Partiy_Cloudy 50 20 68 BLACK_TOP 40 0 Partiy_Cloudy 50 20 68	10 1.40 20 1.45 30 1.55 40 1.65 50 1.80 05 1.30 75 0.95 55 0.75 45 0.60 30 0.40 20 0.30 15 0.25 70 0.90 80 1.00 90 1.15 05 1.30 15 1.40	1.55 1.65 1.75 1.85 2.00 1.50 1.15 0.90 0.70 0.50 0.40 0.30 1.05 1.15 1.30 1.50	4.0 4.3 4.7 5.0 5.4 3.8 2.7 2.0 1.6 1.1 0.7 0.5 2.5 2.9 3.2	5.0 5.2 5.6 5.9 6.5 4.7 3.4 2.7 2.2 1.4 1.1 0.9 3.2 3.6 4.1 4.7	5.6 5.9 6.3 6.7 7.2 5.4 4.1 3.2 2.5 1.8 1.4 1.1 3.8 4.1	2.5 2.7 2.9 3.1 3.4 2.4 1.7 1.2 1.0 0.7 0.4 0.3 1.6 1.8 2.0	3.1 3.2 3.5 3.7 4.0 2.9 2.1 1.7 1.3 0.9 0.7 0.6 2.0 2.2 2.6	3.5 3.7 3.9 4.1 4.5 3.4 2.6 2.0 1.6 1.1 0.9 0.7 2.4 2.6
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Partiy_Cloudy 50 20 68 BLACK_TOP -5 1 Partiy_Cloudy 50 20 68 BLACK_TOP 0 1 Partiy_Cloudy 50 20 68 BLACK_TOP 5 1 Partiy_Cloudy 50 20 68 BLACK_TOP 10 0 Partiy_Cloudy 50 20 68 BLACK_TOP 15 0 Partiy_Cloudy 50 20 68 BLACK_TOP 30 0 Partiy_Cloudy 50 20 68 BLACK_TOP 30 0 Partiy_Cloudy 50 20 68 BLACK_TOP 40 0 Partiy_Cloudy 50 20 68 <t< td=""><td>40 1.65 50 1.80 05 1.30 75 0.95 55 0.75 45 0.60 30 0.40 20 0.30 15 0.25 70 0.90 80 1.00 90 1.15 05 1.30 15 1.40</td><td>1.85 2.00 1.50 1.15 0.90 0.70 0.50 0.40 0.30 1.05 1.15 1.30 1.50</td><td>5.0 5.4 3.8 2.7 2.0 1.6 1.1 0.7 0.5 2.5 2.9 3.2 3.8</td><td>5.9 6.5 4.7 3.4 2.7 2.2 1.4 1.1 0.9 3.2 3.6 4.1 4.7</td><td>6.7 7.2 5.4 4.1 3.2 2.5 1.8 1.4 1.1 3.8 4.1</td><td>3.1 3.4 2.4 1.7 1.2 1.0 0.7 0.4 0.3 1.6 1.8 2.0</td><td>3.7 4.0 2.9 2.1 1.7 1.3 0.9 0.7 0.6 2.0 2.2 2.6</td><td>4.1 4.5 3.4 2.6 2.0 1.6 1.1 0.9 0.7 2.4 2.6</td></t<>	40 1.65 50 1.80 05 1.30 75 0.95 55 0.75 45 0.60 30 0.40 20 0.30 15 0.25 70 0.90 80 1.00 90 1.15 05 1.30 15 1.40	1.85 2.00 1.50 1.15 0.90 0.70 0.50 0.40 0.30 1.05 1.15 1.30 1.50	5.0 5.4 3.8 2.7 2.0 1.6 1.1 0.7 0.5 2.5 2.9 3.2 3.8	5.9 6.5 4.7 3.4 2.7 2.2 1.4 1.1 0.9 3.2 3.6 4.1 4.7	6.7 7.2 5.4 4.1 3.2 2.5 1.8 1.4 1.1 3.8 4.1	3.1 3.4 2.4 1.7 1.2 1.0 0.7 0.4 0.3 1.6 1.8 2.0	3.7 4.0 2.9 2.1 1.7 1.3 0.9 0.7 0.6 2.0 2.2 2.6	4.1 4.5 3.4 2.6 2.0 1.6 1.1 0.9 0.7 2.4 2.6
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Partly_Cloudy 50 20 68 BLACK_TOP 30 0 Partly_Cloudy 50 20 68 BLACK_TOP 40 0 Partly_Cloudy 50 20 68 BLACK_TOP 50 0 Partly_Cloudy 50 20 68 DIRT_ROAD -50 0 Partly_Cloudy 50 20 68 DIRT_ROAD -30 0 Partly_Cloudy 50 20 68 DIRT_ROAD -20 1 Partly_Cloudy 50 20 68 DIRT_ROAD -15 1 Partly_Cloudy 50 20 68 DIRT_ROAD -10 1 Partly_Cloudy 50 20 68 DIRT_ROAD -5 1 Partly_Cloudy 50 20 68 DIRT_ROAD 5 0 Partly_Cloudy 50 20 68 DIRT_ROAD 10 0 Partly_Cloudy 50 20 68	30 0.40 20 0.30 15 0.25 70 0.90 80 1.00 90 1.15 05 1.30 15 1.40	0.50 0.40 0.30 1.05 1.15 1.30 1.50	1.1 0.7 0.5 2.5 2.9 3.2 3.8	1.4 1.1 0.9 3.2 3.6 4.1 4.7	1.8 1.4 1.1 3.8 4.1 4.7	0.7 0.4 0.3 1.6 1.8 2.0	0.9 0.7 0.6 2.0 2.2 2.6	1.1 0.9 0.7 2.4 2.6
Partly_Cloudy 50 20 68 BLACK_TOP 40 0 Partly_Cloudy 50 20 68 BLACK_TOP 50 0 Partly_Cloudy 50 20 68 DIRT_ROAD -50 0 Partly_Cloudy 50 20 68 DIRT_ROAD -30 0 Partly_Cloudy 50 20 68 DIRT_ROAD -20 1 Partly_Cloudy 50 20 68 DIRT_ROAD -15 1 Partly_Cloudy 50 20 68 DIRT_ROAD -10 1 Partly_Cloudy 50 20 68 DIRT_ROAD -5 1 Partly_Cloudy 50 20 68 DIRT_ROAD 5 0 Partly_Cloudy 50 20 68 DIRT_ROAD 10 0 Partly_Cloudy 50 20 68 DIRT_ROAD 15 0 Partly_Cloudy 50 20 68	20 0.30 15 0.25 70 0.90 80 1.00 90 1.15 05 1.30 15 1.40	0.40 0.30 1.05 1.15 1.30 1.50	0.7 0.5 2.5 2.9 3.2 3.8	1.1 0.9 3.2 3.6 4.1 4.7	1.4 1.1 3.8 4.1 4.7	0.4 0.3 1.6 1.8 2.0	0.7 0.6 2.0 2.2 2.6	0.9 0.7 2.4 2.6
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Partly_Cloudy 50 20 68 DIRT_ROAD -10 1 Partly_Cloudy 50 20 68 DIRT_ROAD -5 1 Partly_Cloudy 50 20 68 DIRT_ROAD 0 1 Partly_Cloudy 50 20 68 DIRT_ROAD 10 0 Partly_Cloudy 50 20 68 DIRT_ROAD 15 0 Partly_Cloudy 50 20 68 DIRT_ROAD 20 0 Partly_Cloudy 50 20 68 DIRT_ROAD 30 0 Partly_Cloudy 50 20 68 DIRT_ROAD 40 0					5.6	2.6	3.1	3.5
Partly_Cloudy 50 20 68 DIRT_ROAD -5 1 Partly_Cloudy 50 20 68 DIRT_ROAD 0 1 Partly_Cloudy 50 20 68 DIRT_ROAD 5 0 Partly_Cloudy 50 20 68 DIRT_ROAD 15 0 Partly_Cloudy 50 20 68 DIRT_ROAD 20 0 Partly_Cloudy 50 20 68 DIRT_ROAD 30 0 Partly_Cloudy 50 20 68 DIRT_ROAD 40 0		1.65	4.3	5.4	5.9	2.7	3.4	3.7
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Partly_Cloudy 50 20 68 DIRT_ROAD 5 0 Partly_Cloudy 50 20 68 DIRT_ROAD 10 0 Partly_Cloudy 50 20 68 DIRT_ROAD 15 0 Partly_Cloudy 50 20 68 DIRT_ROAD 20 0 Partly_Cloudy 50 20 68 DIRT_ROAD 30 0 Partly_Cloudy 50 20 68 DIRT_ROAD 40 0	45 1.70	1.90	5.2	6.1	6.8	3.2	3.8	4.3
Partly_Cloudy 50 20 68 DIRT_ROAD 10 0 Partly_Cloudy 50 20 68 DIRT_ROAD 15 0 Partly_Cloudy 50 20 68 DIRT_ROAD 20 0 Partly_Cloudy 50 20 68 DIRT_ROAD 30 0 Partly_Cloudy 50 20 68 DIRT_ROAD 40 0	95 1.20	1.40	3.4	4.3	5.0	2.1	2.7	3.1
Partiy_Cloudy 50 20 68 DIRT_ROAD 15 0 Partiy_Cloudy 50 20 68 DIRT_ROAD 20 0 Partiy_Cloudy 50 20 68 DIRT_ROAD 30 0 Partiy_Cloudy 50 20 68 DIRT_ROAD 40 0	70 0.90	1.05	2.5	3.2	3.8	1.6	2.0	2.4
Partly_Cloudy 50 20 68 DIRT_ROAD 20 0 Partly_Cloudy 50 20 68 DIRT_ROAD 30 0 Partly_Cloudy 50 20 68 DIRT_ROAD 40 0	50 0.70	0.80	1.8	2.5	2.9	1.1	1.6	1.8
Partly_Cloudy 50 20 68 DIRT_ROAD 30 0. Partly_Cloudy 50 20 68 DIRT_ROAD 40 0.	40 0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Partly_Cloudy 50 20 68 DIRT_ROAD 40 0.	25 0.40	0.45	0.9	1.4	1.6	0.6	0.9	1.0
	20 0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
	15 0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partly_Cloudy 50 20 68 LOOSE_SAND -50 0	40 0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
, , , , , , , , , , , , , , , , , , , ,	45 0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
	55 0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
	65 0.85	0.95	2.3	3.1	3.4	1.5	1.9	2.1
,- ,	75 0.90	1.05	2.7	3.2	3.8	1.7	2.0	2.4
	85 1.00	1.15	3.1	3.6	4.1	1.9	2.2	2.6
, , ,	90 1.10	1.25	3.2	4.0	4.5	2.0	2.5	2.8
	05 1.20	1.35	3.8	4.3	4.9	2.4	2.7	3.0
, -	60 0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
,- ,	40 0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
	25 0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
,- ,		0.35	0.7	1.1	1.3	0.4	0.7	0.8
	20 0.30	0.25	0.5	0.7	0.9	0.3	0.4	0.6
	20 0.30 15 0.20		0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy 50 20 68 LOOSE_SAND 50 0.	20 0.30 15 0.20 10 0.15	0.20	0.2	0.4	0.5	0.1	0.2	0.3

Table G-19. Maximum Sustainable Speed, Partly Cloudy, 50% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl			stainabl meters/l	e Speed nour)		stainabl niles/hou	e Speed ur)
						F	lisk Lev	el	F	lisk Lev	əl	F	lisk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	50	25	77	BLACK_TOP	-50	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
Partly_Cloudy	50	25	77	BLACK_TOP	-40	0.75	0.90	1.05	2.7	3.2	3.8	1.7	2.0	2.4
Partly_Cloudy	50	25	77	BLACK_TOP	-30	0.85	1.05	1.20	3.1	3.8	4.3	1.9	2.4	2.7
Partly_Cloudy	50	25	77	BLACK_TOP	-20	1.00	1.20	1.35	3.6	4.3	4.9	2.2	2.7	3.0
Partly_Cloudy	50	25	77	BLACK_TOP	-15	1.10	1.25	1.45	4.0	4.5	5.2	2.5	2.8	3.2
Partly_Cloudy	50	25	77	BLACK_TOP	-10	1.15	1.35	1.55	4.1	4.9	5.6	2.6	3.0	3.5
Partly_Cloudy	50	25	77	BLACK_TOP	-5	1.30	1.45	1.65	4.7	5.2	5.9	2.9	3.2	3.7
Partly_Cloudy	50	25	77	BLACK_TOP	0	1.40	1.60	1.75	5.0	5.8	6.3	3.1	3.6	3.9
Partly_Cloudy	50	25	77	BLACK_TOP	5	0.90	1.10	1.25	3.2	4.0	4.5	2.0	2.5	2.8
Partly_Cloudy	50	25	77	BLACK_TOP	10	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
Partly_Cloudy	50	25	77	BLACK_TOP	15	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Partly_Cloudy	50	25	77	BLACK_TOP	20	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Partly_Cloudy	50	25	77	BLACK_TOP	30	0.25	0.35	0.40	0.9	1.3	1.4	0.6	8.0	0.9
Partly_Cloudy	50	25	77	BLACK_TOP	40	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Partiy_Cloudy	50	25	77	BLACK_TOP	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	50	25	77	DIRT_ROAD	-50	0.60	0.75	0.85	2.2	2.7	3.1	1.3	1.7	1.9
Partly_Cloudy	50	25	77	DIRT_ROAD	-40	0.70	0.85	0.95	2.5	3.1	3.4	1.6	1.9	2.1
Partly_Cloudy	50	25	77	DIRT_ROAD	-30	0.80	0.95	1.10	2.9	3.4	4.0	1.8	2.1	2.5
Partly_Cloudy	50	25	77	DIRT_ROAD	-20	0.95	1.10	1.25	3.4	4.0	4.5	2.1	2.5	2.8
Partiy_Cloudy	50	25	77	DIRT_ROAD	-15	1.00	1.20	1.35	3.6	4.3	4.9	2.2	2.7	3.0
Partly_Cloudy	50	25	77	DIRT_ROAD	-10	1.10	1.30	1.45	4.0	4.7	5.2	2.5	2.9	3.2
Partly_Cloudy	50	25	77	DIRT_ROAD	-5	1.20	1.40	1.55	4.3	5.0	5.6	2.7	3.1	3.5
Partly_Cloudy	50	25	77	DIRT_ROAD	0	1.30	1.50	1.65	4.7	5.4	5.9	2.9	3.4	3.7
Partly_Cloudy	50	25	77	DIRT_ROAD	5	0.85	1.05	1.20	3.1	3.8	4.3	1.9	2.4	2.7
Partly_Cloudy	50	25	77	DIRT_ROAD	10	0.60	0.75	0.85	2.2	2.7	3.1	1.3	1.7	1.9
Partly_Cloudy	50	25	77	DIRT_ROAD	15	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Partly_Cloudy	50	25	77	DIRT_ROAD	20	0.35	0.45	0.50	1.3	1.6	1.8	0.8	1.0	1.1
Partly_Cloudy	50	25	77	DIRT_ROAD	30	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	8.0
Partly_Cloudy	50	25	77	DIRT_ROAD	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	50	25	77	DIRT_ROAD	50	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Partly_Cloudy	50	25	77	LOOSE_SAND	-50	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Partiy_Cloudy	50	25	77	LOOSE_SAND	-40	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Partiy_Cloudy	50	25	77	LOOSE_SAND	-30	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
Partiy_Cloudy	50	25	77	LOOSE_SAND	-20	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Partly_Cloudy	50	25	77	LOOSE_SAND	-15	0.65	0.80	0.90	2.3	2.9	3.2	1.5	1.8	2.0
Partly_Cloudy	50	25	77	LOOSE_SAND	-10	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
Partly_Cloudy	50	25	77	LOOSE_SAND	-5	0.85	0.95	1.10	3.1	3.4	4.0	1.9	2.1	2.5
Partly_Cloudy	50	25	77	LOOSE_SAND	0	0.95	1.10	1.20	3.4	4.0	4.3	2.1	2.5	2.7
Partly_Cloudy	50	25	77	LOOSE_SAND	5	0.55	0.65	0.75	2.0	2.3	2.7	1.2	1.5	1.7
Partly_Cloudy	50	25	77	LOOSE_SAND	10	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Partly_Cloudy	50	25	77	LOOSE_SAND	15	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	8.0
Partly_Cloudy	50	25	77	LOOSE_SAND	20	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partly_Cloudy	50	25	77	LOOSE_SAND	30	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	50	25	77	LOOSE_SAND	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Partly_Cloudy	50	25	77	LOOSE_SAND	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2

Table G-20. Maximum Sustainable Speed, Partly Cloudy, 50% Humidity, 30°C (86°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/h			stainabl	
						F	lisk Leve	əl	F	Risk Leve	əl	F	Risk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	50	30	86	BLACK_TOP	-50	0.50	0.55	0.70	1.8	2.0	2.5	1.1	1.2	1.6
Partly_Cloudy	50	30	86	BLACK_TOP	-40	0.55	0.65	0.80	2.0	2.3	2.9	1.2	1.5	1.8
Partly_Cloudy	50	30	86	BLACK_TOP	-30	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
Partly_Cloudy	50	30	86	BLACK_TOP	-20	0.80	0.90	1.05	2.9	3.2	3.8	1.8	2.0	2.4
Partly_Cloudy	50	30	86	BLACK_TOP	-15	0.90	1.00	1.15	3.2	3.6	4.1	2.0	2.2	2.6
Partly_Cloudy	50	30	86	BLACK_TOP	-10	0.95	1.10	1.25	3.4	4.0	4.5	2.1	2.5	2.8
Partly_Cloudy	50	30	86	BLACK_TOP	-5	1.05	1.20	1.35	3.8	4.3	4.9	2.4	2.7	3.0
Partly_Cloudy	50	30	86	BLACK_TOP	0	1.20	1.30	1.45	4.3	4.7	5.2	2.7	2.9	3.2
Partly_Cloudy	50	30	86	BLACK_TOP	5	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
Partly_Cloudy	50	30	86	BLACK_TOP	10	0.50	0.55	0.70	1.8	2.0	2.5	1.1	1.2	1.6
Partly_Cloudy	50	30	86	BLACK_TOP	15	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Partly_Cloudy	50	30	86	BLACK_TOP	20	0.25	0.35	0.40	0.9	1.3	1.4	0.6	0.8	0.9
Partly_Cloudy	50	30	86	BLACK_TOP	30	0.20	0.20	0.25	0.7	0.7	0.9	0.4	0.4	0.6
Partly_Cloudy	50	30	86	BLACK_TOP	40	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Partly_Cloudy	50	30	86	BLACK_TOP	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Partly_Cloudy	50	30	86	DIRT_ROAD	-50	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Partly_Cloudy	50	30	86	DIRT_ROAD	-40	0.50	0.60	0.75	1.8	2.2	2.7	1.1	1.3	1.7
Partly_Cloudy	50	30	86	DIRT_ROAD	-30	0.60	0.70	0.85	2.2	2.5	3.1	1.3	1.6	1.9
Partly_Cloudy	50	30	86	DIRT_ROAD	-20	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
Partly_Cloudy	50	30	86	DIRT_ROAD	-15	0.85	0.95	1.10	3.1	3.4	4.0	1.9	2.1	2.5
Partly_Cloudy	50	30	86	DIRT_ROAD	-10	0.90	1.05	1.15	3.2	3.8	4.1	2.0	2.4	2.6
Partly_Cloudy	50	30	86	DIRT_ROAD	-5	1.00	1.15	1.25	3.6	4.1	4.5	2.2	2.6	2.8
Partly_Cloudy	50	30	86	DIRT_ROAD	0	1.15	1.25	1.40	4.1	4.5	5.0	2.6	2.8	3.1
Partly_Cloudy	50	30	86	DIRT_ROAD	5	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
Partly_Cloudy	50	30	86	DIRT_ROAD	10	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Partly_Cloudy	50	30	86	DIRT_ROAD	15	0.30	0.40	0.45	1.1	1.4	1.6	0.7	0.9	1.0
Partly_Cloudy	50	30	86	DIRT_ROAD	20	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	8.0
Partly_Cloudy	50	30	86	DIRT_ROAD	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	50	30	86	DIRT_ROAD	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	50	30	86	DIRT_ROAD	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Partly_Cloudy	50	30	86	LOOSE_SAND	-50	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	8.0
Partly_Cloudy	50	30	86	LOOSE_SAND	-40	0.30	0.35	0.45	1.1	1.3	1.6	0.7	8.0	1.0
Partly_Cloudy	50	30	86	LOOSE_SAND	-30	0.35	0.45	0.50	1.3	1.6	1.8	0.8	1.0	1.1
Partly_Cloudy	50	30	86	LOOSE_SAND	-20	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Partiy_Cloudy	50	30	86	LOOSE_SAND	-15	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
Partly_Cloudy	50	30	86	LOOSE_SAND	-10	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Partly_Cloudy	50	30	86	LOOSE_SAND	-5	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
Partly_Cloudy	50	30	86	LOOSE_SAND	0	0.80	0.90	1.00	2.9	3.2	3.6	1.8	2.0	2.2
Partly_Cloudy	50	30	86	LOOSE_SAND	5	0.40	0.50	0.55	1.4	1.8	2.0	0.9	1.1	1.2
Partly_Cloudy	50	30	86	LOOSE_SAND	10	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	8.0
Partly_Cloudy	50	30	86	LOOSE_SAND	15	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partiy_Cloudy	50	30	86	LOOSE_SAND	20	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	50	30	86	LOOSE_SAND	30	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Partly_Cloudy	50	30	86	LOOSE_SAND	40	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
	50	30	86	LOOSE_SAND	50	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1

Table G-21. Maximum Sustainable Speed, Partly Cloudy, 50% Humidity, 35°C (95°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	e Speed ond)		stainable meters/l	e Speed nour)		stainable	
							Risk Lev	el	F	lisk Leve	əl	F	Risk Leve	el .
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	50	35	95	BLACK_TOP	-50	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Partly_Cloudy	50	35	95	BLACK_TOP	-40	0.30	0.35	0.50	1.1	1.3	1.8	0.7	0.8	1.1
Partly_Cloudy	50	35	95	BLACK_TOP	-30	0.35	0.40	0.55	1.3	1.4	2.0	0.8	0.9	1.2
Partly_Cloudy	50	35	95	BLACK_TOP	-20	0.45	0.55	0.70	1.6	2.0	2.5	1.0	1.2	1.6
Partly_Cloudy	50	35	95	BLACK_TOP	-15	0.50	0.60	0.75	1.8	2.2	2.7	1.1	1.3	1.7
Partly_Cloudy	50	35	95	BLACK_TOP	-10	0.60	0.70	0.85	2.2	2.5	3.1	1.3	1.6	1.9
Partiy_Cloudy	50	35	95	BLACK_TOP	-5	0.70	0.75	0.95	2.5	2.7	3.4	1.6	1.7	2.1
Partly_Cloudy	50	35	95	BLACK_TOP	0	0.80	0.90	1.05	2.9	3.2	3.8	1.8	2.0	2.4
Partly_Cloudy	50	35	95	BLACK_TOP	5	0.40	0.45	0.65	1.4	1.6	2.3	0.9	1.0	1.5
Partly_Cloudy	50	35	95	BLACK_TOP	10	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Partly_Cloudy	50	35	95	BLACK_TOP	15	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partly_Cloudy	50	35	95	BLACK_TOP	20	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	50	35	95	BLACK_TOP	30	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Partly_Cloudy	50	35	95	BLACK_TOP	40	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Partly_Cloudy	50	35	95	BLACK_TOP	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Partly_Cloudy	50	35	95	DIRT_ROAD	-50	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Partly_Cloudy	50	35	95	DIRT_ROAD	-40	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Partly_Cloudy	50	3 5	95	DIRT_ROAD	-30	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Partly_Cloudy	50	35	95	DIRT_ROAD	-20	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Partly_Cloudy	50	35	95	DIRT_ROAD	-15	0.50	0.55	0.70	1.8	2.0	2.5	1.1	1.2	1.6
Partly_Cloudy	50	35	95	DIRT_ROAD	-10	0.55	0.65	0.80	2.0	2.3	2.9	1.2	1.5	1.8
Partly_Cloudy	50	35	95	DIRT_ROAD	-5	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
Partly_Cloudy	50	35	95	DIRT_ROAD	0	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
Partly_Cloudy	50	35	95	DIRT_ROAD	5	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Partly_Cloudy	50	35	95	DIRT_ROAD	10	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Partly_Cloudy	50	35	95	DIRT_ROAD	15	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	50	35	95	DIRT_ROAD	20	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partiy_Cloudy	50	35	95	DIRT_ROAD	30	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Partly_Cloudy	50	35	95	DIRT_ROAD	40	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Partly_Cloudy	50	35	95	DIRT_ROAD	50	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1
Partly_Cloudy	50	35	95	LOOSE_SAND	-50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	50	35	95	LOOSE_SAND	-40	0.15	0.15	0.25	0.5	0.5	0.9	0.3	0.3	0.6
Partiy_Cloudy	50	35	95	LOOSE_SAND	-30	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partiy_Cloudy	50	35	95	LOOSE_SAND	-20	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Partly_Cloudy	50	35	95	LOOSE_SAND	-15	0.30	0.35	0.45	1.1	1.3	1.6	0.7	8.0	1.0
Partly_Cloudy	50	35	95	LOOSE_SAND	-10	0.35	0.40	0.55	1.3	1.4	2.0	8.0	0.9	1.2
Partiy_Cloudy	50	3 5	95	LOOSE_SAND	-5	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Partly_Cloudy	50	3 5	95	LOOSE_SAND	0	0.55	0.60	0.75	2.0	2.2	2.7	1.2	1.3	1.7
Partly_Cloudy	50	3 5	95	LOOSE_SAND	5	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Partiy_Cloudy	50	35	95	LOOSE_SAND	10	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	50	35	95	LOOSE_SAND	15	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Partly_Cloudy	50	35	95	LOOSE_SAND	20	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Partly_Cloudy	50	35	95	LOOSE_SAND	30	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1
Partly_Cloudy	50	35	95	LOOSE_SAND	40	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	50	35	95	LOOSE_SAND	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0

Table G-22. Maximum Sustainable Speed, Partly Cloudy, 75% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco			stainable meters/h			stainabl	e Speed ur)
						F	lisk Leve	el	F	lisk Leve	əl	F	lisk Lev	el
						Low	Mod	High	Low	Mod	Hìgh	Low	Mod	High
Partly_Cloudy	75	5	41	BLACK_TOP	-50	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Partly_Cloudy	75	5	41	BLACK_TOP	-40	1.10	1.35	1.75	4.0	4.9	6.3	2.5	3.0	3.9
Partly_Cloudy	75	5	41	BLACK_TOP	-30	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Partly_Cloudy	75	5	41	BLACK_TOP	-20	1.40	1.70	2.10	5.0	6.1	7.6	3.1	3.8	4.7
Partly_Cloudy	75	5	41	BLACK_TOP	-15	1.50	1.80	2.20	5.4	6.5	7.9	3.4	4.0	4.9
Partly_Cloudy	75	5	41	BLACK_TOP	-10	1.60	1.90	2.30	5.8	6.8	8.3	3.6	4.3	5.2
Partly_Cloudy	75	5	41	BLACK_TOP	- 5	1.70	2.00	2.40	6.1	7.2	8.6	3.8	4.5	5.4
Partly_Cloudy	75	5	41	BLACK_TOP	0	1.85	2.10	2.50	6.7	7.6	9.0	4.1	4.7	5.6
Partly_Cloudy	75	5	41	BLACK_TOP	5	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Partly_Cloudy	75	5	41	BLACK_TOP	10	1.00	1.25	1.60	3.6	4.5	5.8	2.2	2.8	3.6
Partly_Cloudy	75	5	41	BLACK_TOP	15	0.75	1.00	1.30	2.7	3.6	4.7	1.7	2.2	2.9
Partly_Cloudy	75	5	41	BLACK_TOP	20	0.60	0.80	1.10	2.2	2.9	4.0	1.3	1.8	2.5
Partly_Cloudy	75	5	41	BLACK_TOP	30	0.45	0.55	0.80	1.6	2.0	2.9	1.0	1.2	1.8
Partly_Cloudy	75	5	41	BLACK_TOP	40	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Partly_Cloudy	75	5	41	BLACK_TOP	50	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Partly_Cloudy	75	5	41	DIRT_ROAD	-50	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Partly_Cloudy	75	5	41	DIRT_ROAD	-40	1.05	1.25	1.65	3.8	4.5	5.9	2.4	2.8	3.7
Partly_Cloudy	75	5	41	DIRT_ROAD	-30	1.20	1.40	1.80	4.3	5.0	6.5	2.7	3.1	4.0
Partly_Cloudy	75	5	41	DIRT_ROAD	-20	1.35	1.60	2.00	4.9	5.8	7.2	3.0	3.6	4.5
Partly_Cloudy	75	5	41	DIRT_ROAD	-15	1.45	1.70	2.10	5.2	6.1	7.6	3.2	3.8	4.7
Partly_Cloudy	75	5	41	DIRT_ROAD	-10	1.50	1.80	2.20	5.4	6.5	7.9	3.4	4.0	4.9
Partly_Cloudy	75	5	41	DIRT_ROAD	-5	1.65	1.90	2.30	5.9	6.8	8.3	3.7	4.3	5.2
Partly_Cloudy	75	5	41	DIRT_ROAD	0	1.75	2.00	2.40	6.3	7.2	8.6	3.9	4.5	5.4
Partly_Cloudy	75	5	41	DIRT_ROAD	5	1.25	1.50	1.90	4.5	5.4	6.8	2.8	3.4	4.3
Partiy_Cloudy	75	5	41	DIRT_ROAD	10	0.95	1.15	1.50	3.4	4.1	5.4	2.1	2.6	3.4
Partly_Cloudy	7 5	5	41	DIRT_ROAD	15	0.70	0.90	1.20	2.5	3.2	4.3	1.6	2.0	2.7
Partly_Cloudy	75	5	41	DIRT_ROAD	20	0.55	0.75	1.00	2.0	2.7	3.6	1.2	1.7	2.2
Partly_Cloudy	75	5	41	DIRT_ROAD	30	0.40	0.50	0.75	1.4	1.8	2.7	0.9	1.1	1.7
Partly_Cloudy	75	5	41	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Partly_Cloudy	75	5	41	DIRT_ROAD	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Partly_Cloudy	75	5	41	LOOSE_SAND	-50	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Partiy_Cloudy	75	5	41	LOOSE_SAND	-40	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Partly_Cloudy	75	5	41	LOOSE_SAND	-30	0.75	0.90	1.15	2.7	3.2	4.1	1.7	2.0	2.6
Partly_Cloudy	75	5	41	LOOSE_SAND	-20	0.85	1.05	1.35	3.1	3.8	4.9	1.9	2.4	3.0
Partly_Cloudy	75	5	41	LOOSE_SAND	-15	0.95	1.15	1.40	3.4	4.1	5.0	2.1	2.6	3.1
Partly_Cloudy	75	5	41	LOOSE_SAND	-10	1.05	1.25	1.50	3.8	4.5	5.4	2.4	2.8	3.4
Partly_Cloudy	75	5	41	LOOSE_SAND	- 5	1.15	1.35	1.60	4.1	4.9	5.8	2.6	3.0	3.6
Partly_Cloudy	75	5	41	LOOSE_SAND	0	1.25	1.45	1.75	4.5	5.2	6.3	2.8	3.2	3.9
Partly_Cloudy	75	5	41	LOOSE_SAND	5	0.80	0.95	1.25	2.9	3.4	4.5	1.8	2.1	2.8
Partly_Cloudy		5	41	LOOSE_SAND	10	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Partly_Cloudy	75	5	41	LOOSE_SAND	15	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Partly_Cloudy	75	5	41	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Partly_Cloudy	75	5	41	LOOSE_SAND	30	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Partly_Cloudy	75	5	41	LOOSE_SAND	40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partly_Cloudy	75	5	41	LOOSE_SAND	50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6

Table G-23. Maximum Sustainable Speed, Partly Cloudy, 75% Humidity, 10°C (50°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/h			stainabi niles/hou	e Speed ur)
						F	Risk Leve	əl	F	Risk Leve	əl	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	75	10	50	BLACK_TOP	-50	0.90	1.15	1.40	3.2	4.1	5.0	2.0	2.6	3.1
Partly_Cloudy	75	10	50	BLACK_TOP	-40	1.00	1.25	1.55	3.6	4.5	5.6	2.2	2.8	3.5
Partly_Cloudy	75	10	50	BLACK_TOP	-30	1.15	1.40	1.70	4.1	5.0	6.1	2.6	3.1	3.8
Partly_Cloudy	75	10	50	BLACK_TOP	-20	1.30	1.60	1.90	4.7	5.8	6.8	2.9	3.6	4.3
Partly_Cloudy	75	10	50	BLACK_TOP	-15	1.40	1.70	1.95	5.0	6.1	7.0	3.1	3.8	4.4
Partly_Cloudy	75	10	50	BLACK_TOP	-10	1.50	1.80	2.05	5.4	6.5	7.4	3.4	4.0	4.6
Partly_Cloudy	75	10	50	BLACK_TOP	-5	1.60	1.90	2.20	5.8	6.8	7.9	3.6	4.3	4.9
Partly_Cloudy	75	10	50	BLACK_TOP	0	1.70	2.00	2.30	6.1	7.2	8.3	3.8	4.5	5.2
Partly_Cloudy	75	10	50	BLACK_TOP	5	1.25	1.50	1.80	4.5	5.4	6.5	2.8	3.4	4.0
Partly_Cloudy	75	10	50	BLACK_TOP	10	0.90	1.15	1.40	3.2	4.1	5.0	2.0	2.6	3.1
Partly_Cloudy	75	10	50	BLACK_TOP	15	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Partly_Cloudy	75	10	50	BLACK_TOP	20	0.55	0.75	0.95	2.0	2.7	3.4	1.2	1.7	2.1
Partly_Cloudy	75	10	50	BLACK_TOP	30	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Partly_Cloudy	75	10	50	BLACK_TOP	40	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Partly_Cloudy	75	10	50	BLACK_TOP	50	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Partly_Cloudy	75	10	50	DIRT_ROAD	-50	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Partly_Cloudy	75	10	50	DIRT_ROAD	-40	0.95	1.20	1.45	3.4	4.3	5.2	2.1	2.7	3.2
Partly_Cloudy	75	10	50	DIRT_ROAD	-30	1.10	1.35	1.60	4.0	4.9	5.8	2.5	3.0	3.6
Partly_Cloudy	75	10	50	DIRT_ROAD	-20	1.25	1.50	1.75	4.5	5.4	6.3	2.8	3.4	3.9
Partly_Cloudy	75	10	50	DIRT_ROAD	-15	1.35	1.60	1.85	4.9	5.8	6.7	3.0	3.6	4.1
Partly_Cloudy	75	10	50	DIRT_ROAD	-10	1.40	1.70	1.95	5.0	6.1	7.0	3.1	3.8	4.4
Partly_Cloudy	75	10	50	DIRT_ROAD	-5	1.55	1.80	2.05	5.6	6.5	7.4	3.5	4.0	4.6
Partly_Cloudy	75	10	50	DIRT_ROAD	0	1.65	1.90	2.20	5.9	6.8	7.9	3.7	4.3	4.9
Partly_Cloudy	75	10	50	DIRT_ROAD	5	1.15	1.40	1.70	4.1	5.0	6.1	2.6	3.1	3.8
Partly_Cloudy	75	10	50	DIRT_ROAD	10	0.85	1.05	1.30	3.1	3.8	4.7	1.9	2.4	2.9
Partly_Cloudy	75	10	50	DIRT_ROAD	15	0.65	0.85	1.05	2.3	3.1	3.8	1.5	1.9	2.4
Partiy_Cloudy	75	10	50	DIRT_ROAD	20	0.50	0.65	0.85	1.8	2.3	3.1	1.1	1.5	1.9
Partly_Cloudy	75	10	50	DIRT_ROAD	30	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Partly_Cloudy	75	10	50	DIRT_ROAD	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Partiy_Cloudy	75	10	50	DIRT_ROAD	50	0.20	0.30	0.40	0.7	1.1	1.4	0.4	0.7	0.9
Partly_Cloudy	75	10	50	LOOSE_SAND	-50	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Partly_Cloudy	75	10	50	LOOSE_SAND	-40	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Partly_Cloudy	75	10	50	LOOSE_SAND	-30	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
Partly_Cloudy	75	10	50	LOOSE_SAND	-20	0.80	1.00	1.20	2.9	3.6	4.3	1.8	2.2	2.7
Partly_Cloudy	75	10	50	LOOSE_SAND	-15	0.90	1.05	1.25	3.2	3.8	4.5	2.0	2.4	2.8
Partly_Cloudy	75	10	50	LOOSE_SAND	-10	0.95	1.15	1.35	3.4	4.1	4.9	2.1	2.6	3.0
Partly_Cloudy	75	10	50	LOOSE_SAND	-5	1.05	1.25	1.45	3.8	4.5	5.2	2.4	2.8	3.2
Partly_Cloudy	75	10	50	LOOSE_SAND	0	1.20	1.35	1.60	4.3	4.9	5.8	2.7	3.0	3.6
Partly_Cloudy	75	10	50	LOOSE_SAND	5	0.75	0.90	1.10	2.7	3.2	4.0	1.7	2.0	2.5
Partly_Cloudy	75	10	50	LOOSE_SAND	10	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Partly_Cloudy	75	10	50	LOOSE_SAND	15	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Partly_Cloudy	75	10	50	LOOSE_SAND	20	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Partly_Cloudy	75	10	50	LOOSE_SAND	30	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Partly_Cloudy	75	10	50	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	75	10		LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table G-24. Maximum Sustainable Speed, Partly Cloudy, 75% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)	(me	stainable ters/seco	ond)	(kilo	meters/h	our)	(n	niies/hou	ır)
						F	lisk Leve	el	F	lisk Leve	əl	F	isk Leve	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	75	15	59	BLACK_TOP	-50	0.80	1.05	1.20	2.9	3.8	4.3	1.8	2.4	2.7
Partly_Cloudy	75	15	59	BLACK_TOP	-40	0.90	1.15	1.35	3.2	4.1	4.9	2.0	2.6	3.0
Partly_Cloudy	75	15	59	BLACK_TOP	-30	1.05	1.30	1.50	3.8	4.7	5.4	2.4	2.9	3.4
Partly_Cloudy	75	15	59	BLACK_TOP	-20	1.20	1.45	1.65	4.3	5.2	5.9	2.7	3.2	3.7
Partly_Cloudy	75	15	59	BLACK_TOP	-15	1.30	1.55	1.75	4.7	5.6	6.3	2.9	3.5	3.9
Partly_Cloudy	75	15	59	BLACK_TOP	-10	1.40	1.65	1.85	5.0	5.9	6.7	3.1	3.7	4.1
Partly_Cloudy	75	15	59	BLACK_TOP	-5	1.50	1.75	1.95	5.4	6.3	7.0	3.4	3.9	4.4
Partly_Cloudy	75	15	59	BLACK_TOP	0	1.60	1.90	2.10	5.8	6.8	7.6	3.6	4.3	4.7
Partly_Cloudy	75	15	59	BLACK_TOP	5	1.15	1.40	1.60	4.1	5.0	5.8	2.6	3.1	3.6
Partly_Cloudy	75	15	59	BLACK_TOP	10	0.80	1.05	1.20	2.9	3.8	4.3	1.8	2.4	2.7
Partly_Cloudy	75	15	59	BLACK_TOP	15	0.60	0.80	0.95	2.2	2.9	3.4	1.3	1.8	2.1
Partly_Cloudy	75	15	59	BLACK_TOP	20	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Partly_Cloudy	75	15	59	BLACK_TOP	30	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Partly_Cloudy	7 5	15	59	BLACK_TOP	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Partly_Cloudy	75	15	59	BLACK_TOP	50	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	8.0
Partly_Cloudy	75	15	59	DIRT_ROAD	-50	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Partly_Cloudy	75	15	59	DIRT_ROAD	-40	0.85	1.10	1.25	3.1	4.0	4.5	1.9	2.5	2.8
Partly_Cloudy	75	15	59	DIRT_ROAD	-30	1.00	1.20	1.40	3.6	4.3	5.0	2.2	2.7	3.1
Partly_Cloudy	75	15	59	DIRT_ROAD	-20	1.15	1.40	1.60	4.1	5.0	5.8	2.6	3.1	3.6
Partly_Cloudy	75	15	59	DIRT_ROAD	-15	1.20	1.50	1.65	4.3	5.4	5.9	2.7	3.4	3.7
Partly_Cloudy	75	15	59	DIRT_ROAD	-10	1.30	1.60	1.75	4.7	5.8	6.3	2.9	3.6	3.9
Partly_Cloudy	75	15	59	DIRT_ROAD	-5	1.40	1.70	1.90	5.0	6.1	6.8	3.1	3.8	4.3
Partly_Cloudy	75	15	59	DIRT_ROAD	0	1.55	1.80	2.00	5.6	6.5	7.2	3.5	4.0	4.5
Partly_Cloudy	75	15	59	DIRT_ROAD	5	1.05	1.30	1.50	3.8	4.7	5.4	2.4	2.9	3.4
Partly_Cloudy	75	15	59	DIRT_ROAD	10	0.75	0.95	1.15	2.7	3.4	4.1	1.7	2.1	2.6
Partly_Cloudy	75	15	59	DIRT_ROAD	15	0.55	0.75	0.90	2.0	2.7	3.2	1.2	1.7	2.0
Partly_Cloudy	75	15	59	DIRT_ROAD	20	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Partly_Cloudy	.75	15	59	DIRT_ROAD	30	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Partly_Cloudy	75	15	59	DIRT_ROAD	40	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Partiy_Cloudy	75	15	59	DIRT_ROAD	50	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Partly_Cloudy	75	15	59	LOOSE_SAND	-50	0.45	0.55	0.70	1.6	2.0	2.5	1.0	1.2	1.6
Partly_Cloudy	75	15	59	LOOSE_SAND	-40	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
Partly_Cloudy	75	15	59	LOOSE_SAND	-30	0.60	0.75	0.90	2.2	2.7	3.2	1.3	1.7	2.0
Partly_Cloudy	75	15	59	LOOSE_SAND	-20	0.75	0.90	1.05	2.7	3.2	3.8	1.7	2.0	2.4
Partly_Cloudy	75	15	59	LOOSE_SAND	-15	0.80	1.00	1.10	2.9	3.6	4.0	1.8	2.2	2.5
Partly_Cloudy	75	15	59	LOOSE_SAND	-10	0.90	1.10	1.20	3.2	4.0	4.3	2.0	2.5	2.7
Partly_Cloudy	7 5	15	59	LOOSE_SAND	-5	1.00	1.20	1.30	3.6	4.3	4.7	2.2	2.7	2.9
Partly_Cloudy	75	15	59	LOOSE_SAND	0	1.10	1.30	1.45	4.0	4.7	5.2	2.5	2.9	3.2
Partly_Cloudy	75	15	59	LOOSE_SAND	5	0.65	0.85	0.95	2.3	3.1	3.4	1.5	1.9	2.1
Partly_Cloudy	75	15	59	LOOSE_SAND	10	0.45	0.55	0.70	1.6	2.0	2.5	1.0	1.2	1.6
Partly_Cloudy	75	15	59	LOOSE_SAND	15	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Partly_Cloudy	75	15	59	LOOSE_SAND	20	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Partly_Cloudy	75	15	59	LOOSE_SAND	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	75	15	59	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	75	15	59	LOOSE_SAND	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3

Table G-25. Maximum Sustainable Speed, Partly Cloudy, 75% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco		(kilo	meters/h	our)	(r	stainabl niles/hou	ur)
						F	lisk Leve	d	F	lisk Leve	i	'	Risk Leve	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	75	20	68	BLACK_TOP	-50	0.70	0.90	1.00	2.5	3.2	3.6	1.6	2.0	2.2
Partly_Cloudy	75	20	68	BLACK_TOP	-40	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Partiy_Cloudy	75	20	68	BLACK_TOP	-30	0.95	1.10	1.25	3.4	4.0	4.5	2.1	2.5	2.8
Partly_Cloudy	75	20	68	BLACK_TOP	-20	1.10	1.30	1.45	4.0	4.7	5.2	2.5	2.9	3.2
Partly_Cloudy	75	20	68	BLACK_TOP	-15	1.20	1.35	1.55	4.3	4.9	5.6	2.7	3.0	3.5
Partly_Cloudy	75	20	68	BLACK_TOP	-10	1.25	1.45	1.65	4.5	5.2	5.9	2.8	3.2	3.7
Partly_Cloudy	75	20	68	BLACK_TOP	<i>-</i> 5	1.40	1.55	1.75	5.0	5.6	6.3	3.1	3.5	3.9
Partly_Cloudy	75	20	68	BLACK_TOP	0	1.50	1.70	1.85	5.4	6.1	6.7	3.4	3.8	4.1
Partly_Cloudy	75	20	68	BLACK_TOP	5	1.00	1.20	1.35	3.6	4.3	4.9	2.2	2.7	3.0
Partly_Cloudy	75	20	68	BLACK_TOP	10	0.70	0.90	1.00	2.5	3.2	3.6	1.6	2.0	2.2
Partly_Cloudy	75	20	68	BLACK_TOP	15	0.55	0.65	0.80	2.0	2.3	2.9	1.2	1.5	1.8
Partly_Cloudy	75	20	68	BLACK_TOP	20	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Partly_Cloudy	75	20	68	BLACK_TOP	30	0.30	0.35	0.45	1.1	1.3	1.6	0.7	8.0	1.0
Partly_Cloudy	75	20	68	BLACK_TOP	40	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	8.0
Partly_Cloudy	75	20	68	BLACK_TOP	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	75	20	68	DIRT_ROAD	-50	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
Partly_Cloudy	75	20	68	DIRT_ROAD	-40	0.75	0.90	1.05	2.7	3.2	3.8	1.7	2.0	2.4
Partly_Cloudy	75	20	68	DIRT_ROAD	-30	0.90	1.05	1.20	3.2	3.8	4.3	2.0	2.4	2.7
Partly_Cloudy	75	20	68	DIRT_ROAD	-20	1.00	1.20	1.35	3.6	4.3	4.9	2.2	2.7	3.0
Partly_Cloudy	75	20	68	DIRT_ROAD	-15	1.10	1.30	1.45	4.0	4.7	5.2	2.5	2.9	3.2
Partly_Cloudy	75	20	68	DIRT_ROAD	-10	1.20	1.40	1.55	4.3	5.0	5.6	2.7	3.1	3.5
Partly_Cloudy	75	20	68	DIRT_ROAD	-5	1.30	1.50	1.65	4.7	5.4	5.9	2.9	3.4	3.7
Partly_Cloudy	75	20	68	DIRT_ROAD	0	1.40	1.60	1.75	5.0	5.8	6.3	3.1	3.6	3.9
Partly_Cloudy	75	20	68	DIRT_ROAD	5	0.95	1.15	1.25	3.4	4.1	4.5	2.1	2.6	2.8
Partly_Cloudy	75	20	68	DIRT_ROAD	10	0.65	0.80	0.95	2.3	2.9	3.4	1.5	1.8	2.1
Partly_Cloudy	75	20	68	DIRT_ROAD	15	0.50	0.60	0.75	1.8	2.2	2.7	1.1	1.3	1.7
Partiy_Cloudy	75	20	68	DIRT_ROAD	20	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Partly_Cloudy	75	20	68	DIRT_ROAD	30	0.25	0.35	0.40	0.9	1.3	1.4	0.6	0.8	0.9
Partly_Cloudy	75	20	68	DIRT_ROAD	40	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Partly_Cloudy	75	20	68	DIRT_ROAD	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	75	20	68	LOOSE_SAND	-50	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Partly_Cloudy	75	20	68	LOOSE_SAND	-40	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Partly_Cloudy	7 5	20	68	LOOSE_SAND	-30	0.55	0.65	0.75	2.0	2.3	2.7	1.2	1.5	1.7
Partly_Cloudy	75	20	68	LOOSE_SAND	-20	0.65	0.80	0.90	2.3	2.9	3.2	1.5	1.8	2.0
Partly_Cloudy	75	20	68	LOOSE_SAND	-15	0.75	0.85	0.95	2.7	3.1	3.4	1.7	1.9	2.1
Partly_Cloudy	75	20	68	LOOSE_SAND	-10	0.80	0.95	1.05	2.9	3.4	3.8	1.8	2.1	2.4
Partly_Cloudy	75	20	68	LOOSE_SAND	-5	0.90	1.05	1.15	3.2	3.8	4.1	2.0	2.4	2.6
Partly_Cloudy	75	20	68	LOOSE_SAND	0	1.00	1.15	1.25	3.6	4.1	4.5	2.2	2.6	2.8
Partly_Cloudy	75	20	68	LOOSE_SAND	5	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Partly_Cloudy	75	20	68	LOOSE_SAND	10	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Partly_Cloudy	75	20	68	LOOSE_SAND	15	0.25	0.35	0.40	0.9	1.3	1.4	0.6	0.8	0.9
Partly_Cloudy	75	20	68	LOOSE_SAND	20	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Partly_Cloudy	75	20	68	LOOSE_SAND	30	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Partly_Cloudy	75	20	68	LOOSE_SAND	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Partly_Cloudy	75	20	68	LOOSE_SAND	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2

Table G-26. Maximum Sustainable Speed, Partly Cloudy, 75% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/seco			stainable meters/h			stainabl niles/hou	
				1		F	lisk Leve	el	F	Risk Leve	əl	F	Risk Leve	∌l
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	75	25	77	BLACK_TOP	-50	0.60	0.65	0.75	2.2	2.3	2.7	1.3	1.5	1.7
Partly_Cloudy	75	25	77	BLACK_TOP	-40	0.65	0.75	0.85	2.3	2.7	3.1	1.5	1.7	1.9
Partly_Cloudy	75	25	77	BLACK_TOP	-30	0.80	0.85	1.00	2.9	3.1	3.6	1.8	1.9	2.2
Partly_Cloudy	75	25	77	BLACK_TOP	-20	0.90	1.00	1.15	3.2	3.6	4.1	2.0	2.2	2.6
Partly_Cloudy	75	25	77	BLACK_TOP	-15	1.00	1.10	1.25	3.6	4.0	4.5	2.2	2.5	2.8
Partly_Cloudy	75	25	77	BLACK_TOP	-10	1.10	1.20	1.35	4.0	4.3	4.9	2.5	2.7	3.0
Partly_Cloudy	75	25	77	BLACK_TOP	-5	1.20	1.30	1.45	4.3	4.7	5.2	2.7	2.9	3.2
Partly_Cloudy	75	25	77	BLACK_TOP	0	1.30	1.40	1.55	4.7	5.0	5.6	2.9	3.1	3.5
Partly_Cloudy	75	25	77	BLACK_TOP	5	0.85	0.95	1.05	3.1	3.4	3.8	1.9	2.1	2.4
Partly_Cloudy	75	25	77	BLACK_TOP	10	0.60	0.65	0.75	2.2	2.3	2.7	1.3	1.5	1.7
Partly_Cloudy	75	25	77	BLACK_TOP	15	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Partly_Cloudy	75	25	77	BLACK_TOP	20	0.35	0.35	0.45	1.3	1.3	1.6	0.8	8.0	1.0
Partly_Cloudy	75	25	77	BLACK_TOP	30	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Partly_Cloudy	75	25	77	BLACK_TOP	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	75	25	77	BLACK_TOP	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	75	25	77	DIRT_ROAD	-50	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
Partly_Cloudy	75	25	77	DIRT_ROAD	-40	0.60	0.70	0.80	2.2	2.5	2.9	1.3	1.6	1.8
Partly_Cloudy	75	25	77	DIRT_ROAD	-30	0.70	0.80	0.95	2.5	2.9	3.4	1.6	1.8	2.1
Partly_Cloudy	75	25	77	DIRT_ROAD	-20	0.85	0.95	1.10	3.1	3.4	4.0	1.9	2.1	2.5
Partly_Cloudy	75	25	77	DIRT_ROAD	-15	0.95	1.05	1.15	3.4	3.8	4.1	2.1	2.4	2.6
Partly_Cloudy	75	25	77	DIRT_ROAD	-10	1.05	1.10	1.25	3.8	4.0	4.5	2.4	2.5	2.8
Partly_Cloudy	75	25	77	DIRT_ROAD	-5	1.15	1.20	1.35	4.1	4.3	4.9	2.6	2.7	3.0
Partiy_Cloudy	75	25	77	DIRT_ROAD	0	1.25	1.35	1.50	4.5	4.9	5.4	2.8	3.0	3.4
Partly_Cloudy	75	25	77	DIRT_ROAD	5	0.80	0.85	1.00	2.9	3.1	3.6	1.8	1.9	2.2
Partly_Cloudy	75	25	77	DIRT_ROAD	10	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
Partly_Cloudy	75	25	77	DIRT_ROAD	15	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
Partly_Cloudy	75	25	77	DIRT_ROAD	20	0.30	0.35	0.40	1.1	1.3	1.4	0.7	8.0	0.9
Partly_Cloudy	75	25	77	DIRT_ROAD	30	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Partly_Cloudy	75	25	77	DIRT_ROAD	40	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Partly_Cloudy	75	25	77	DIRT_ROAD	50	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
Partly_Cloudy	75	25	77	LOOSE_SAND	-50	0.30	0.35	0.40	1.1	1.3	1.4	0.7	0.8	0.9
Partly_Cloudy	75	25	77	LOOSE_SAND	-40	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Partly_Cloudy	75	25	77	LOOSE_SAND	-30	0.45	0.50	0.55	1.6	1.8	2.0	1.0	1.1	1.2
Partly_Cloudy	75	25	77	LOOSE_SAND	-20	0.55	0.60	0.70	2.0	2.2	2.5	1.2	1.3	1.6
Partly_Cloudy	75	25	77	LOOSE_SAND	-15	0.60	0.65	0.75	2.2	2.3	2.7	1.3	1.5	1.7
Partly_Cloudy	75	25	77	LOOSE_SAND	-10	0.70	0.75	0.85	2.5	2.7	3.1	1.6	1.7	1.9
Partly_Cloudy	75	25	77	LOOSE_SAND	-5	0.80	0.85	0.95	2.9	3.1	3.4	1.8	1.9	2.1
Partly_Cloudy	75	25	77	LOOSE_SAND	0	0.90	0.95	1.05	3.2	3.4	3.8	2.0	2.1	2.4
Partly_Cloudy	75	25	77	LOOSE_SAND	5	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Partly_Cloudy	75	25	77	LOOSE_SAND	10	0.30	0.35	0.40	1.1	1.3	1.4	0.7	8.0	0.9
Partly_Cloudy	75	25	77	LOOSE_SAND	15	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Partly_Cloudy	75	25	77	LOOSE_SAND	20	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Partly_Cloudy	75	25	77	LOOSE_SAND	30	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Partiy_Cloudy	75	25	77	LOOSE_SAND	40	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Partly_Cloudy	75	25	77	LOOSE_SAND	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2

Table G-27. Maximum Sustainable Speed, Partly Cloudy, 75% Humidity, 30°C (86°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabi ters/sec			stainable meters/f			stainabl niles/hou	
						F	lisk Leve	əl	F	lisk Leve	el	F	isk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	75	30	86	BLACK_TOP	-50	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
Partly_Cloudy	75	30	86	BLACK_TOP	-40	0.35	0.40	0.55	1.3	1.4	2.0	0.8	0.9	1.2
Partly_Cloudy	75	30	86	BLACK_TOP	-30	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Partiy_Cloudy	75	30	86	BLACK_TOP	-20	0.55	0.60	0.80	2.0	2.2	2.9	1.2	1.3	1.8
Partly_Cloudy	75	30	86	BLACK_TOP	-15	0.60	0.70	0.85	2.2	2.5	3.1	1.3	1.6	1.9
Partly_Cloudy	75	30	86	BLACK_TOP	-10	0.70	0.80	0.95	2.5	2.9	3.4	1.6	1.8	2.1
Partly_Cloudy	75	30	86	BLACK_TOP	-5	0.80	0.85	1.05	2.9	3.1	3.8	1.8	1.9	2.4
Partly_Cloudy	75	30	86	BLACK_TOP	0	0.90	1.00	1.15	3.2	3.6	4.1	2.0	2.2	2.6
Partly_Cloudy	75	30	86	BLACK_TOP	5	0.45	0.55	0.70	1.6	2.0	2.5	1.0	1.2	1.6
Partly_Cloudy	75	30	86	BLACK_TOP	10	0.30	0.35	0.45	1.1	1.3	1.6	0.7	8.0	1.0
Partly_Cloudy	75	30	86	BLACK_TOP	15	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Partly_Cloudy	75	30	86	BLACK_TOP	20	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	75	30	86	BLACK_TOP	30	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Partly_Cloudy	75	30	86	BLACK_TOP	40	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Partly_Cloudy	75	30	86	BLACK_TOP	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Partly_Cloudy	75	30	86	DIRT_ROAD	-50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Partly_Cloudy	75	30	86	DIRT_ROAD	-40	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Partly_Cloudy	75	30	86	DIRT_ROAD	-30	0.40	0.45	0.60	1.4	1.6	2.2	0.9	1.0	1.3
Partly_Cloudy	75	30	86	DIRT_ROAD	-20	0.50	0.60	0.75	1.8	2.2	2.7	1.1	1.3	1.7
Partly_Cloudy	75	30	86	DIRT_ROAD	-15	0.55	0.65	0.80	2.0	2.3	2.9	1.2	1.5	1.8
Partly_Cloudy	75	30	86	DIRT_ROAD	-10	0.65	0.75	0.90	2.3	2.7	3.2	1.5	1.7	2.0
Partly_Cloudy	75	30	86	DIRT_ROAD	-5	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
Partly_Cloudy	75	30	86	DIRT_ROAD	0	0.85	0.95	1.10	3.1	3.4	4.0	1.9	2.1	2.5
Partly_Cloudy	75	30	86	DIRT_ROAD	5	0.45	0.50	0.65	1.6	1.8	2.3	1.0	1.1	1.5
Partly_Cloudy	75	30	86	DIRT_ROAD	10	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Partiy_Cloudy	75	30	86	DIRT_ROAD	15	0.20	0.20	0.30	0.7	0.7	1.1	0.4	0.4	0.7
Partly_Cloudy	75	30	86	DIRT_ROAD	20	0.15	0.15	0.25	0.5	0.5	0.9	0.3	0.3	0.6
Partly_Cloudy	75	30	86	DIRT_ROAD	30	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Partiy_Cloudy	75	30	86	DIRT_ROAD	40	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Partly_Cloudy	75	30	86	DIRT_ROAD	50	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Partly_Cloudy	75	30	86	LOOSE_SAND	-50	0.15	0.15	0.25	0.5	0.5	0.9	0.3	0.3	0.6
Partly_Cloudy	75	30	86	LOOSE_SAND	-40	0.15	0.20	0.30	0.5	0.7	1.1	0.3	0.4	0.7
Partly_Cloudy	75	30	86	LOOSE_SAND	-30	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	8.0
Partly_Cloudy	75	30	86	LOOSE_SAND	-20	0.30	0.35	0.45	1.1	1.3	1.6	0.7	8.0	1.0
Partly_Cloudy	75	30	86	LOOSE_SAND	-15	0.35	0.40	0.50	1.3	1.4	1.8	8.0	0.9	1.1
Partly_Cloudy	75	30	86	LOOSE_SAND	-10	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Partly_Cloudy	75	30	86	LOOSE_SAND	-5	0.50	0.55	0.70	1.8	2.0	2.5	1.1	1.2	1.6
Partly_Cloudy	75	30	86	LOOSE_SAND	0	0.60	0.65	0.80	2.2	2.3	2.9	1.3	1.5	1.8
Partly_Cloudy	75	30	86	LOOSE_SAND	5	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Partly_Cloudy	7 5	30	86	LOOSE_SAND	10	0.15	0.15	0.25	0.5	0.5	0.9	0.3	0.3	0.6
Partly_Cloudy	75	30	86	LOOSE_SAND	15	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Partly_Cloudy	75	30	86	LOOSE_SAND	20	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Partly_Cloudy	75	30	86	LOOSE_SAND	30	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1
Partly_Cloudy	75	30	86	LOOSE_SAND	40	0.00	0.05	0.05	0.0	0.2	0.2	0.0	0.1	0.1
Partly_Cloudy	75	30	86	LOOSE_SAND	50	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1

Table G-28. Maximum Sustainable Speed, Partly Cloudy, 75% Humidity, 35°C (95°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainable meters/f			stainabl	e Speed ur)
						F	lisk Leve	el	F	lisk Leve	əl	F	lisk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	75	35	95	BLACK_TOP	-50	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	75	35	95	BLACK_TOP	-40	0.00	0.00	0.10	0.0	0.0	0.4	0.0	0.0	0.2
Partly_Cloudy	75	35	95	BLACK_TOP	-30	0.00	0.00	0.15	0.0	0.0	0.5	0.0	0.0	0.3
Partiy_Cloudy	75	35	95	BLACK_TOP	-20	0.00	0.00	0.20	0.0	0.0	0.7	0.0	0.0	0.4
Partly_Cloudy	75	35	95	BLACK_TOP	-15	0.00	0.00	0.25	0.0	0.0	0.9	0.0	0.0	0.6
Partly_Cloudy	75	35	95	BLACK_TOP	-10	0.00	0.00	0.30	0.0	0.0	1.1	0.0	0.0	0.7
Partly_Cloudy	75	35	95	BLACK_TOP	-5	0.00	0.00	0.35	0.0	0.0	1.3	0.0	0.0	8.0
Partly_Cloudy	75	35	95	BLACK_TOP	0	0.00	0.00	0.45	0.0	0.0	1.6	0.0	0.0	1.0
Partly_Cloudy	75	35	95	BLACK_TOP	5	0.00	0.00	0.15	0.0	0.0	0.5	0.0	0.0	0.3
Partly_Cloudy	75	35	95	BLACK_TOP	10	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	75	35	95	BLACK_TOP	15	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	75	35	95	BLACK_TOP	20	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	75	35	95	BLACK_TOP	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_Cloudy	75	35	95	BLACK_TOP	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_Cloudy	75	35	95	BLACK_TOP	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_Cloudy	75	35	95	DIRT_ROAD	-50	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	75	35	95	DIRT_ROAD	-40	0.00	0.00	0.10	0.0	0.0	0.4	0.0	0.0	0.2
Partly_Cloudy	75	35	95	DIRT_ROAD	-30	0.00	0.00	0.10	0.0	0.0	0.4	0.0	0.0	0.2
Partly_Cloudy	75	35	95	DIRT_ROAD	-20	0.00	0.00	0.15	0.0	0.0	0.5	0.0	0.0	0.3
Partly_Cloudy	75	35	95	DIRT_ROAD	-15	0.00	0.00	0.20	0.0	0.0	0.7	0.0	0.0	0.4
Partly_Cloudy	75	35	95	DIRT_ROAD	-10	0.00	0.00	0.25	0.0	0.0	0.9	0.0	0.0	0.6
Partly_Cloudy	75	35	95	DIRT_ROAD	-5	0.00	0.00	0.35	0.0	0.0	1.3	0.0	0.0	8.0
Partly_Cloudy	75	35	95	DIRT_ROAD	0	0.00	0.00	0.45	0.0	0.0	1.6	0.0	0.0	1.0
Partly_Cloudy	75	35	95	DIRT_ROAD	5	0.00	0.00	0.15	0.0	0.0	0.5	0.0	0.0	0.3
Partly_Cloudy	75	35	95	DIRT_ROAD	10	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	75	35	95	DIRT_ROAD	15	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	75	35	95	DIRT_ROAD	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_Cloudy	75	35	95	DIRT_ROAD	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_Cloudy	75	35	95	DIRT_ROAD	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_Cloudy	75	35	95	DIRT_ROAD	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_Cloudy	75	35	95	LOOSE_SAND	-50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partiy_Cloudy	75	35	95	LOOSE_SAND	-40	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	75	35	95	LOOSE_SAND	-30	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	75	35	95	LOOSE_SAND	-20	0.00	0.00	0.10	0.0	0.0	0.4	0.0	0.0	0.2
Partly_Cloudy	75	35	95	LOOSE_SAND	-15	0.00	0.00	0.10	0.0	0.0	0.4	0.0	0.0	0.2
Partly_Cloudy	75	35	95	LOOSE_SAND	-10	0.00	0.00	0.15	0.0	0.0	0.5	0.0	0.0	0.3
Partly_Cloudy	75	35	95	LOOSE_SAND	-5	0.00	0.00	0.20	0.0	0.0	0.7	0.0	0.0	0.4
Partly_Cloudy	75	35	95	LOOSE_SAND	0	0.00	0.00	0.30	0.0	0.0	1.1	0.0	0.0	0.7
Partly_Cloudy	75	35	95	LOOSE_SAND	5	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	75	35	95	LOOSE_SAND	10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_Cloudy	7 5	35	95	LOOSE_SAND	15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_Cloudy	75	35	95	LOOSE_SAND	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_Cloudy	75	35	95	LOOSE_SAND	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_Cloudy	75	35	95	LOOSE_SAND	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_Cloudy	75	35	95	LOOSE_SAND	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0

Table G-29. Maximum Sustainable Speed, Partly Cloudy, 95% Humidity, 5°C (41°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabi ters/sec	•		stainabl meters/l	e Speed nour)		stainabl niles/hou	
						F	lisk Lev	el	F	Risk Leve	el	F	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	95	5	41	BLACK_TOP	-50	1.00	1.25	1.55	3.6	4.5	5.6	2.2	2.8	3.5
Partly_Cloudy	95	. 5	41	BLACK_TOP	-40	1.10	1.35	1.65	4.0	4.9	5.9	2.5	3.0	3.7
Partly_Cloudy	95	5	41	BLACK_TOP	-30	1.25	1.50	1.85	4.5	5.4	6.7	2.8	3.4	4.1
Partly_Cloudy	95	5	41	BLACK_TOP	-20	1.40	1.70	2.00	5.0	6.1	7.2	3.1	3.8	4.5
Partly_Cloudy	95	5	41	BLACK_TOP	-15	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Partly_Cloudy	95	5	41	BLACK_TOP	-10	1.60	1.85	2.20	5.8	6.7	7.9	3.6	4.1	4.9
Partly_Cloudy	95	5	41	BLACK_TOP	-5	1.70	2.00	2.30	6.1	7.2	8.3	3.8	4.5	5.2
Partly_Cloudy	95	5	41	BLACK_TOP	0	1.80	2.10	2.45	6.5	7.6	8.8	4.0	4.7	5.5
Partly_Cloudy	95	5	41	BLACK_TOP	5	1.35	1.60	1.90	4.9	5.8	6.8	3.0	3.6	4.3
Partly_Cloudy	95	5	41	BLACK_TOP	10	1.00	1.25	1.55	3.6	4.5	5.6	2.2	2.8	3.5
Partly_Cloudy	95	5	41	BLACK_TOP	15	0.75	0.95	1.25	2.7	3.4	4.5	1.7	2.1	2.8
Partly_Cloudy	95	5	41	BLACK_TOP	20	0.60	0.80	1.05	2.2	2.9	3.8	1.3	1.8	2.4
Partly_Cloudy	95	5	41	BLACK_TOP	30	0.45	0.55	0.75	1.6	2.0	2.7	1.0	1.2	1.7
Partly_Cloudy	95	5	41	BLACK_TOP	40	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Partly_Cloudy	95	5	41	BLACK_TOP	50	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Partly_Cloudy	95	5	41	DIRT_ROAD	-50	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Partly_Cloudy	95	5	41	DIRT_ROAD	-40	1.05	1.25	1.55	3.8	4.5	5.6	2.4	2.8	3.5
Partly_Cloudy	95	5	41	DIRT_ROAD	-30	1.15	1.40	1.70	4.1	5.0	· 6.1	2.6	3.1	3.8
Partly_Cloudy	95	5	41	DIRT_ROAD	-20	1.35	1.60	1.90	4.9	5.8	6.8	3.0	3.6	4.3
Partly_Cloudy	95	5	41	DIRT_ROAD	-15	1.40	1.65	2.00	5.0	5.9	7.2	3.1	3.7	4.5
Partly_Cloudy	95	5	41	DIRT_ROAD	-10	1.50	1.75	2.10	5.4	6.3	7.6	3.4	3.9	4.7
Partly_Cloudy	95	5	41	DIRT_ROAD	-5	1.60	1.90	2.20	5.8	6.8	7.9	3.6	4.3	4.9
Partly_Cloudy	95	5	41	DIRT_ROAD	О	1.75	2.00	2.30	6.3	7.2	8.3	3.9	4.5	5.2
Partly_Cloudy	95	5	41	DIRT_ROAD	5	1.25	1.50	1.80	4.5	5.4	6.5	2.8	3.4	4.0
Partly_Cloudy	95	5	41	DIRT_ROAD	10	0.90	1.15	1.45	3.2	4.1	5.2	2.0	2.6	3.2
Partly_Cloudy	95	5	41	DIRT_ROAD	15	0.70	0.90	1.15	2.5	3.2	4.1	1.6	2.0	2.6
Partly_Cloudy	95	5	41	DIRT_ROAD	20	0.55	0.75	0.95	2.0	2.7	3.4	1.2	1.7	2.1
Partly_Cloudy	95	5	41	DIRT_ROAD	30	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Partly_Cloudy	95	5	41	DIRT_ROAD	40	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Partly_Cloudy	95	5	41	DIRT_ROAD	50	0.25	0.30	0.45	0.9	1.1	1.6	0.6	0.7	1.0
Partly_Cloudy	95	5	41	LOOSE_SAND	-50	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Partly_Cloudy	95	5	41	LOOSE_SAND	-40	0.60	0.80	1.00	2.2	2.9	3.6	1.3	1.8	2.2
Partly_Cloudy	95	5	41	LOOSE_SAND	-30	0.75	0.90	1.10	2.7	3.2	4.0	1.7	2.0	2.5
Partly_Cloudy	95	5	41	LOOSE_SAND	-20	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Partly_Cloudy	95	5	41	LOOSE_SAND	-15	0.95	1.15	1.35	3.4	4.1	4.9	2.1	2.6	3.0
Partly_Cloudy	95	5	41	LOOSE_SAND	-10	1.05	1.20	1.45	3.8	4.3	5.2	2.4	2.7	3.2
Partly_Cloudy	95	5	41	LOOSE_SAND	- 5	1.15	1.30	1.55	4.1	4.7	5.6	2.6	2.9	3.5
Partly_Cloudy	95	5	41	LOOSE_SAND	0	1.25	1.45	1.65	4.5	5.2	5.9	2.8	3.2	3.7
Partly_Cloudy	95	5	41	LOOSE_SAND	5	0.80	0.95	1.20	2.9	3.4	4.3	1.8	2.1	2.7
Partly_Cloudy	95	5	41	LOOSE_SAND	10	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Partly_Cloudy	95	5	41	LOOSE_SAND	15	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Partly_Cloudy	95	5	41	LOOSE_SAND	20	0.30	0.40	0.55	1.1	1.4	2.0	0.7	0.9	1.2
Partly_Cloudy	95	5	41	LOOSE_SAND	30	0.20	0.25	0.35	0.7	0.9	1.3	0.4	0.6	0.8
Partly_Cloudy	95	5	41	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	95	5	41	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table G-30. Maximum Sustainable Speed, Partly Cloudy, 95% Humidity, $10^{\circ}C$ ($50^{\circ}F$)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec		Max Su (kilo	stainable meters/h			stainabl niles/hou	
						F	lisk Leve	əl	F	lisk Leve	əl	F	lisk Lev	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	95	10	50	BLACK_TOP	-50	0.90	1.15	1.35	3.2	4.1	4.9	2.0	2.6	3.0
Partly_Cloudy	95	10	50	BLACK_TOP	-40	1.00	1.25	1.50	3.6	4.5	5.4	2.2	2.8	3.4
Partly_Cloudy	95	10	50	BLACK_TOP	-30	1.15	1.40	1.65	4.1	5.0	5.9	2.6	3.1	3.7
Partly_Cloudy	95	10	50	BLACK_TOP	-20	1.30	1.55	1.80	4.7	5.6	6.5	2.9	3.5	4.0
Partly_Cloudy	95	10	50	BLACK_TOP	-15	1.40	1.65	1.90	5.0	5.9	6.8	3.1	3.7	4.3
Partly_Cloudy	95	10	50	BLACK_TOP	-10	1.50	1.75	2.00	5.4	6.3	7.2	3.4	3.9	4.5
Partly_Cloudy	95	10	50	BLACK_TOP	-5	1.60	1.85	2.15	5.8	6.7	7.7	3.6	4.1	4.8
Partly_Cloudy	95	10	50	BLACK_TOP	0	1.70	2.00	2.25	6.1	7.2	8.1	3.8	4.5	5.0
Partly_Cloudy	95	10	50	BLACK_TOP	5	1.20	1.50	1.75	4.3	5.4	6.3	2.7	3.4	3.9
Partly_Cloudy	95	10	50	BLACK_TOP	10	0.90	1.15	1.35	3.2	4.1	4.9	2.0	2.6	3.0
Partly_Cloudy	95	10	50	BLACK_TOP	15	0.70	0.90	1.10	2.5	3.2	4.0	1.6	2.0	2.5
Partly_Cloudy	95	10	50	BLACK_TOP	20	0.55	0.70	0.90	2.0	2.5	3.2	1.2	1.6	2.0
Partly_Cloudy	95	10	50	BLACK_TOP	30	0.40	0.50	0.65	1.4	1.8	2.3	0.9	1.1	1.5
Partly_Cloudy	95	10	50	BLACK_TOP	40	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Partly_Cloudy	95	10	50	BLACK_TOP	50	0.25	0.30	0.40	0.9	1.1	1.4	0.6	0.7	0.9
Partly_Cloudy	95	10	50	DIRT_ROAD	-50	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Partly_Cloudy	95	10	50	DIRT_ROAD	-40	0.95	1.15	1.40	3.4	4.1	5.0	2.1	2.6	3.1
Partly_Cloudy	95	10	50	DIRT_ROAD	-30	1.05	1.30	1.55	3.8	4.7	5.6	2.4	2.9	3.5
Partly_Cloudy	95	10	50	DIRT_ROAD	-20	1.25	1.50	1.70	4.5	5.4	6.1	2.8	3.4	3.8
Partly_Cloudy	95	10	50	DIRT_ROAD	-15	1.30	1.55	1.80	4.7	5.6	6.5	2.9	3.5	4.0
Partly_Cloudy	9 5	10	50	DIRT_ROAD	-10	1.40	1.65	1.90	5.0	5.9	6.8	3.1	3.7	4.3
Partly_Cloudy	95	10	50	DIRT_ROAD	-5	1.50	1.80	2.00	5.4	6.5	7.2	3.4	4.0	4.5
Partly_Cloudy	95	10	50	DIRT_ROAD	0	1.65	1.90	2.15	5.9	6.8	7.7	3.7	4.3	4.8
Partly_Cloudy	95	10	50	DIRT_ROAD	5	1.15	1.40	1.65	4.1	5.0	5.9	2.6	3.1	3.7
Partly_Cloudy	95	10	50	DIRT_ROAD	10	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Partly_Cloudy	95	10	50	DIRT_ROAD	15	0.65	0.80	1.00	2.3	2.9	3.6	1.5	1.8	2.2
Partly_Cloudy	95	10	50	DIRT_ROAD	20	0.50	0.65	0.80	1.8	2.3	2.9	1.1	1.5	1.8
Partly_Cloudy	95	10	50	DIRT_ROAD	30	0.35	0.45	0.60	1.3	1.6	2.2	0.8	1.0	1.3
Partly_Cloudy	95	10	50	DIRT_ROAD	40	0.25	0.35	0.45	0.9	1.3	1.6	0.6	0.8	1.0
Partly_Cloudy	95	10	50	DIRT_ROAD	50	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	8.0
Partly_Cloudy	95	10	50	LOOSE_SAND	-50	0.50	0.60	0.75	1.8	2.2	2.7	1.1	1.3	1.7
Partly_Cloudy	95	10	50	LOOSE_SAND	-40	0.55	0.70	0.85	2.0	2.5	3.1	1.2	1.6	1.9
Partly_Cloudy	95	10	50	LOOSE_SAND	-30	0.65	0.85	1.00	2.3	3.1	3.6	1.5	1.9	2.2
Partly_Cloudy	95	10	50	LOOSE_SAND	-20	0.80	0.95	1.15	2.9	3.4	4.1	1.8	2.1	2.6
Partly_Cloudy	95	10	50	LOOSE_SAND	-15	0.85	1.05	1.25	3.1	3.8	4.5	1.9	2.4	2.8
Partly_Cloudy	95	10	50	LOOSE_SAND	-10	0.95	1.15	1.30	3.4	4.1	4.7	2.1	2.6	2.9
Partly_Cloudy	95	10	50	LOOSE_SAND	-5	1.05	1.25	1.45	3.8	4.5	5.2	2.4	2.8	3.2
Partly_Cloudy	95	10	50	LOOSE_SAND	0	1.15	1.35	1.55	4.1	4.9	5.6	2.6	3.0	3.5
Partly_Cloudy	95	10	50	LOOSE_SAND	5	0.70	0.90	1.05	2.5	3.2	3.8	1.6	2.0	2.4
Partly_Cloudy	95	10	50	LOOSE_SAND	10	0.50	0.60	0.75	1.8	2.2	2.7	1.1	1.3	1.7
Partiy_Cloudy	95	10	50	LOOSE_SAND	15	0.35	0.45	0.55	1.3	1.6	2.0	0.8	1.0	1.2
Partly_Cloudy	95	10	50	LOOSE_SAND	20	0.25	0.35	0.45	0.9	1.3	1.6	0.6	8.0	1.0
Partly_Cloudy	95	10	50	LOOSE_SAND	30	0.15	0.25	0.30	0.5	0.9	1.1	0.3	0.6	0.7
Partly_Cloudy	95	10	50	LOOSE_SAND	40	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	95	10	50	LOOSE_SAND	50	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4

Table G-31. Maximum Sustainable Speed, Partly Cloudy, 95% Humidity, 15°C (59°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainabl meters/l	e Speed nour)		stainabl niles/hou	e Speed ur)
						F	lisk Leve	əl	F	Risk Leve	el	F	isk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	95	15	59	BLACK_TOP	-50	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Partiy_Cloudy	95	15	59	BLACK_TOP	-40	0.90	1.15	1.30	3.2	4.1	4.7	2.0	2.6	2.9
Partly_Cloudy	95	15	59	BLACK_TOP	-30	1.05	1.30	1.45	3.8	4.7	5.2	2.4	2.9	3.2
Partly_Cloudy	95	15	59	BLACK_TOP	-20	1.20	1.45	1.60	4.3	5.2	5.8	2.7	3.2	3.6
Partly_Cloudy	95	15	59	BLACK_TOP	-15	1.30	1.55	1.70	4.7	5.6	6.1	2.9	3.5	3.8
Partly_Cloudy	95	15	59	BLACK_TOP	-10	1.40	1.65	1.80	5.0	5.9	6.5	3.1	3.7	4.0
Partly_Cloudy	95	15	59	BLACK_TOP	-5	1.50	1.75	1.90	5.4	6.3	6.8	3.4	3.9	4.3
Partiy_Cloudy	95	15	59	BLACK_TOP	0	1.60	1.85	2.00	5.8	6.7	7.2	3.6	4.1	4.5
Partly_Cloudy	95	15	59	BLACK_TOP	5	1.10	1.35	1.50	4.0	4.9	5.4	2.5	3.0	3.4
Partly_Cloudy	95	15	59	BLACK_TOP	10	0.80	1.00	1.15	2.9	3.6	4.1	1.8	2.2	2.6
Partly_Cloudy	95	15	59	BLACK_TOP	15	0.60	0.80	0.90	2.2	2.9	3.2	1.3	1.8	2.0
Partly_Cloudy	95	15	59	BLACK_TOP	20	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
Partiy_Cloudy	95	15	59	BLACK_TOP	30	0.35	0.45	0.50	1.3	1.6	1.8	0.8	1.0	1.1
Partly_Cloudy	95	15	59	BLACK_TOP	40	0.25	0.35	0.40	0.9	1.3	1.4	0.6	0.8	0.9
Partly_Cloudy	95	15	59	BLACK_TOP	50	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Partly_Cloudy	95	15	59	DIRT_ROAD	-50	0.75	0.95	1.05	2.7	3.4	3.8	1.7	2.1	2.4
Partly_Cloudy	95	15	59	DIRT_ROAD	-40	0.85	1.05	1.20	3.1	3.8	4.3	1.9	2.4	2.7
Partly_Cloudy	95	15	59	DIRT_ROAD	-30	0.95	1.20	1.35	3.4	4.3	4.9	2.1	2.7	3.0
Partly_Cloudy	95	15	59	DIRT_ROAD	-20	1.10	1.35	1.50	4.0	4.9	5.4	2.5	3.0	3.4
Partly_Cloudy	95	15	59	DIRT_ROAD	-15	1.20	1.45	1.60	4.3	5.2	5.8	2.7	3.2	3.6
Partly_Cloudy	95	15	59	DIRT_ROAD	-10	1.30	1.55	1.70	4.7	5.6	6.1	2.9	3.5	3.8
Partly_Cloudy	95	15	59	DIRT_ROAD	-5	1.40	1.65	1.80	5.0	5.9	6.5	3.1	3.7	4.0
Partly_Cloudy	95	15	59	DIRT_ROAD	0	1.50	1.75	1.90	5.4	6.3	6.8	3.4	3.9	4.3
Partly_Cloudy	95	15	59	DIRT_ROAD	5	1.05	1.30	1.40	3.8	4.7	5.0	2.4	2.9	3.1
Partly_Cloudy	95	15	59	DIRT_ROAD	. 10	0.75	0.95	1.05	2.7	3.4	3.8	1.7	2.1	2.4
Partly_Cloudy	95	15	59	DIRT_ROAD	15	0.55	0.75	0.85	2.0	2.7	3.1	1.2	1.7	1.9
Partly_Cloudy	95	15	59	DIRT_ROAD	20	0.45	0.60	0.70	1.6	2.2	2.5	1.0	1.3	1.6
Partly_Cloudy	95	15	59	DIRT_ROAD	30	0.30	0.40	0.50	1.1	1.4	1.8	0.7	0.9	1.1
Partiy_Cloudy	95	15	59	DIRT_ROAD	40	0.20	0.30	0.35	0.7	1.1	1.3	0.4	0.7	0.8
Partly_Cloudy	95	15	59	DIRT_ROAD	50	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Partly_Cloudy	95	15	59	LOOSE_SAND	-50	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Partly_Cloudy	95	15	59	LOOSE_SAND	-40	0.50	0.65	0.75	1.8	2.3	2.7	1.1	1.5	1.7
Partly_Cloudy	95	15	59	LOOSE_SAND	-30	0.60	0.75	0.85	2.2	2.7	3.1	1.3	1.7	1.9
Partly_Cloudy	95	15	59	LOOSE_SAND	-20	0.70	0.90	1.00	2.5	3.2	3.6	1.6	2.0	2.2
Partly_Cloudy	95	15	59	LOOSE_SAND	-15	0.80	0.95	1.05	2.9	3.4	3.8	1.8	2.1	2.4
Partly_Cloudy	95	15	59	LOOSE_SAND	-10	0.90	1.05	1.15	3.2	3.8	4.1	2.0	2.4	2.6
Partly_Cloudy	95	15	59	LOOSE_SAND	-5	1.00	1.15	1.25	3.6	4.1	4.5	2.2	2.6	2.8
Partiy_Cloudy	95	15	59	LOOSE_SAND	0	1.10	1.25	1.40	4.0	4.5	5.0	2.5	2.8	3.1
Partly_Cloudy	95	15	59	LOOSE_SAND	5	0.65	0.80	0.90	2.3	2.9	3.2	1.5	1.8	2.0
Partly_Cloudy	95	15	59	LOOSE_SAND	10	0.40	0.55	0.65	1.4	2.0	2.3	0.9	1.2	1.5
Partly_Cloudy	95	15	59	LOOSE_SAND	15	0.30	0.40	0.45	1.1	1.4	1.6	0.7	0.9	1.0
Partly_Cloudy	95	15	59	LOOSE_SAND	20	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Partly_Cloudy	95	15	59	LOOSE_SAND	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	95	15	59	LOOSE_SAND	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	95	15	59	LOOSE_SAND	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3

Table G-32. Maximum Sustainable Speed, Partly Cloudy, 95% Humidity, 20°C (68°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec			stainable meters/l			stainabi	e Speed ur)
						F	lisk Lev	el	F	lisk Lev	əl	F	lisk Leve	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	95	20	68	BLACK_TOP	-50	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
Partly_Cloudy	95	20	6 8	BLACK_TOP	-40	0.80	0.90	1.05	2.9	3.2	3.8	1.8	2.0	2.4
Partly_Cloudy	95	20	68	BLACK_TOP	-30	0.90	1.05	1.15	3.2	3.8	4.1	2.0	2.4	2.6
Partly_Cloudy	95	20	68	BLACK_TOP	-20	1.05	1.20	1.35	3.8	4.3	4.9	2.4	2.7	3.0
Partly_Cloudy	95	20	68	BLACK_TOP	-15	1.15	1.25	1.40	4.1	4.5	5.0	2.6	2.8	3.1
Partly_Cloudy	95	20	68	BLACK_TOP	-10	1.25	1.35	1.50	4.5	4.9	5.4	2.8	3.0	3.4
Partly_Cloudy	95	20	68	BLACK_TOP	-5	1.35	1.45	1.65	4.9	5.2	5.9	3.0	3.2	3.7
Partly_Cloudy	95	20	68	BLACK_TOP	0	1.45	1.60	1.75	5.2	5.8	6.3	3.2	3.6	3.9
Partiy_Cloudy	95	20	68	BLACK_TOP	5	1.00	1.10	1.25	3.6	4.0	4.5	2.2	2.5	2.8
Partiy_Cloudy	95	20	68	BLACK_TOP	10	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
Partly_Cloudy	95	20	68	BLACK_TOP	15	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
Partiy_Cloudy	95	20	68	BLACK_TOP	20	0.40	0.50	0.55	1.4	1.8	2.0	0.9	1.1	1.2
Partly_Cloudy	95	20	68	BLACK_TOP	30	0.30	0.35	0.40	1.1	1.3	1.4	0.7	0.8	0.9
Partly_Cloudy	95	20	68	BLACK_TOP	40	0.20	0.25	0.30	0.7	0.9	1.1	0.4	0.6	0.7
Partly_Cloudy	95	20	68	BLACK_TOP	50	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	95	20	68	DIRT_ROAD	-50	0.65	0.75	0.85	2.3	2.7	3.1	1.5	1.7	1.9
Partly_Cloudy	95	20	68	DIRT_ROAD	-40	0.75	0.85	0.95	2.7	3.1	3.4	1.7	1.9	2.1
Partiy_Cloudy	95	20	68	DIRT_ROAD	-30	0.85	0.95	1.10	3.1	3.4	4.0	1.9	2.1	2.5
Partly_Cloudy	95	20	68	DIRT_ROAD	-20	1.00	1.10	1.25	3.6	4.0	4.5	2.2	2.5	2.8
Partly_Cloudy	95	20	68	DIRT_ROAD	-15	1.10	1.20	1.35	4.0	4.3	4.9	2.5	2.7	3.0
Partly_Cloudy	95	20	68	DIRT_ROAD	-10	1.15	1.30	1.45	4.1	4.7	5.2	2.6	2.9	3.2
Partly_Cloudy	95	20	68	DIRT_ROAD	-5	1.30	1.40	1.55	4.7	5.0	5.6	2.9	3.1	3.5
Partly_Cloudy	95	20	68	DIRT_ROAD	0	1.40	1.50	1.65	5.0	5.4	5.9	3.1	3.4	3.7
Partly_Cloudy	95	20	68	DIRT_ROAD	5	0.90	1.05	1.15	3.2	3.8	4.1	2.0	2.4	2.6
Partly_Cloudy	95	20	68	DIRT_ROAD	10	0.65	0.75	0.85	2.3	2.7	3.1	1.5	1.7	1.9
Partly_Cloudy	95	20	68	DIRT_ROAD	15	0.45	0.55	0.65	1.6	2.0	2.3	1.0	1.2	1.5
Partly_Cloudy	95	20	68	DIRT_ROAD	20	0.35	0.45	0.50	1.3	1.6	1.8	0.8	1.0	1.1
Partly_Cloudy	95	20	68	DIRT_ROAD	30	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Partly_Cloudy	95	20	68	DIRT_ROAD	40	0.20	0.20	0.25	0.7	0.7	0.9	0.4	0.4	0.6
Partly_Cloudy	95	20	68	DIRT_ROAD	50	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Partly_Cloudy	95	20	68	LOOSE_SAND	-50	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Partly_Cloudy	95	20	68	LOOSE_SAND	-4 0	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Partly_Cloudy	95	20	68	LOOSE_SAND	-30	0.50	0.60	0.70	1.8	2.2	2.5	1.1	1.3	1.6
Partly_Cloudy	95	20	68	LOOSE_SAND	-20	0.65	0.70	0.80	2.3	2.5	2.9	1.5	1.6	1.8
Partly_Cloudy	95	20	68	LOOSE_SAND	-15	0.70	0.80	0.90	2.5	2.9	3.2	1.6	1.8	2.0
Partly_Cloudy	95	20	68	LOOSE_SAND	-10	0.80	0.90	1.00	2.9	3.2	3.6	1.8	2.0	2.2
Partly_Cloudy	95	20	68	LOOSE_SAND	-5	0.90	1.00	1.10	3.2	3.6	4.0	2.0	2.2	2.5
Partly_Cloudy	95	20	68	LOOSE_SAND	0	1.00	1.10	1.20	3.6	4.0	4.3	2.2	2.5	2.7
Partly_Cloudy	95	20	68	LOOSE_SAND	5	0.55	0.65	0.75	2.0	2.3	2.7	1.2	1.5	1.7
Partly_Cloudy	95	20	68	LOOSE_SAND	10	0.35	0.40	0.50	1.3	1.4	1.8	0.8	0.9	1.1
Partiy_Cloudy	95	20	68	LOOSE_SAND	15	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Partly_Cloudy	95	20	68	LOOSE_SAND	20	0.20	0.25	0.25	0.7	0.9	0.9	0.4	0.6	0.6
Partly_Cloudy	95	20	68	LOOSE_SAND	30	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	95	20	68	LOOSE_SAND	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Partly_Cloudy	95	20	68	LOOSE_SAND	50	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2

Table G-33. Maximum Sustainable Speed, Partly Cloudy, 95% Humidity, 25°C (77°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainable ters/sec			stainabl meters/l		(n	stainabl	ur)
						F	lisk Leve	əl	F	Risk Lev	el	F	Risk Leve	əl
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	95	25	77	BLACK_TOP	-50	0.45	0.50	0.65	1.6	1.8	2.3	1.0	1.1	1.5
Partly_Cloudy	95	25	77	BLACK_TOP	-40	0.55	0.60	0.75	2.0	2.2	2.7	1.2	1.3	1.7
Partly_Cloudy	95	25	77	BLACK_TOP	-30	0.65	0.70	0.85	2.3	2.5	3.1	1.5	1.6	1.9
Partly_Cloudy	95	25	77	BLACK_TOP	-20	0.75	0.85	1.00	2.7	3.1	3.6	1.7	1.9	2.2
Partly_Cloudy	95	25	77	BLACK_TOP	-15	0.85	0.90	1.10	3.1	3.2	4.0	1.9	2.0	2.5
Partly_Cloudy	95	25	77	BLACK_TOP	-10	0.95	1.00	1.15	3.4	3.6	4.1	2.1	2.2	2.6
Partly_Cloudy	95	25	77	BLACK_TOP	-5	1.05	1.10	1.25	3.8	4.0	4.5	2.4	2.5	2.8
Partly_Cloudy	95	25	77	BLACK_TOP	0	1.15	1.20	1.40	4.1	4.3	5.0	2.6	2.7	3.1
Partly_Cloudy	95	25	77	BLACK_TOP	5	0.70	0.75	0.90	2.5	2.7	3.2	1.6	1.7	2.0
Partly_Cloudy	95	25	77	BLACK_TOP	10	0.45	0.50	0.65	1.6	1.8	2.3	1.0	1.1	1.5
Partly_Cloudy	95	25	77	BLACK_TOP	15	0.35	0.40	0.45	1.3	1.4	1.6	0.8	0.9	1.0
Partly_Cloudy	95	25	77	BLACK_TOP	20	0.25	0.30	0.35	0.9	1.1	1.3	0.6	0.7	0.8
Partly_Cloudy	95	25	77	BLACK_TOP	30	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	95	25	77	BLACK_TOP	40	0.10	0.15	0.20	0.4	0.5	0.7	0.2	0.3	0.4
Partly_Cloudy	95	25	77	BLACK_TOP	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Partly_Cloudy	95	25	77	DIRT_ROAD	-50	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Partly_Cloudy	95	25	77	DIRT_ROAD	-40	0.50	0.55	0.70	1.8	2.0	2.5	1.1	1.2	1.6
Partly_Cloudy	95	25	77	DIRT_ROAD	-30	0.60	0.65	0.80	2.2	2.3	2.9	1.3	1.5	1.8
Partly_Cloudy	95	25	77	DIRT_ROAD	-20	0.70	0.80	0.95	2.5	2.9	3.4	1.6	1.8	2.1
Partly_Cloudy	95	25	77	DIRT_ROAD	-15	0.80	0.85	1.00	2.9	3.1	3.6	1.8	1.9	2.2
Partly_Cloudy	95	25	77	DIRT_ROAD	-10	0.90	0.95	1.10	3.2	3.4	4.0	2.0	2.1	2.5
Partly_Cloudy	95	25	77	DIRT_ROAD	-5	1.00	1.05	1.20	3.6	3.8	4.3	2.2	2.4	2.7
Partly_Cloudy	95	25	77	DIRT_ROAD	0	1.10	1.15	1.30	4.0	4.1	4.7	2.5	2.6	2.9
Partly_Cloudy	95	25	77	DIRT_ROAD	5	0.65	0.70	0.85	2.3	2.5	3.1	1.5	1.6	1.9
Partly_Cloudy	95	25	77	DIRT_ROAD	10	0.40	0.50	0.60	1.4	1.8	2.2	0.9	1.1	1.3
Partiy_Cloudy	95	25	77	DIRT_ROAD	15	0.30	0.35	0.45	1.1	1.3	1.6	0.7	0.8	1.0
Partly_Cloudy	95	25	77	DIRT_ROAD	20	0.25	0.25	0.35	0.9	0.9	1.3	0.6	0.6	0.8
Partly_Cloudy	95	25	77	DIRT_ROAD	30	0.15	0.15	0.20	0.5	0.5	0.7	0.3	0.3	0.4
Partly_Cloudy	95	25	77	DIRT_ROAD	40	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Partly_Cloudy	95	25	77	DIRT_ROAD	50	0.10	0.10	0.15	0.4	0.4	0.5	0.2	0.2	0.3
Partly_Cloudy	95	25	77	LOOSE_SAND	-50	0.25	0.25	0.35	0.9	0.9	1.3	0.6	0.6	0.8
Partly_Cloudy	95	25	77	LOOSE_SAND	-40	0.30	0.30	0.40	1.1	1.1	1.4	0.7	0.7	0.9
Partly_Cloudy	95	25	77	LOOSE_SAND	-30	0.35	0.40	0.45	1.3	1.4	1.6	0.8	0.9	1.0
Partly_Cloudy	95	25	77	LOOSE_SAND	-20	0.45	0.50	0.60	1.6	1.8	2.2	1.0	1.1	1.3
Partly_Cloudy	95	25	77	LOOSE_SAND	-15	0.50	0.55	0.65	1.8	2.0	2.3	1.1	1.2	1.5
Partly_Cloudy	95	25	77	LOOSE_SAND	-10	0.60	0.65	0.75	2.2	2.3	2.7	1.3	1.5	1.7
Partly_Cloudy	95	25	77	LOOSE_SAND	-5	0.70	0.75	0.85	2.5	2.7	3.1	1.6	1.7	1.9
Partly_Cloudy	95	25	77	LOOSE_SAND	0	0.80	0.85	0.95	2.9	3.1	3.4	1.8	1.9	2.1
Partly_Cloudy	95	25	77	LOOSE_SAND	5	0.40	0.45	0.55	1.4	1.6	2.0	0.9	1.0	1.2
Partly_Cloudy	95	25	77	LOOSE_SAND	10	0.25	0.25	0.35	0.9	0.9	1.3	0.6	0.6	8.0
Partly_Cloudy	95	25	77	LOOSE_SAND	15	0.15	0.20	0.25	0.5	0.7	0.9	0.3	0.4	0.6
Partly_Cloudy	95	25	77	LOOSE_SAND	20	0.10	0.15	0.15	0.4	0.5	0.5	0.2	0.3	0.3
Partly_Cloudy	9 5	25	77	LOOSE_SAND	30	0.05	0.10	0.10	0.2	0.4	0.4	0.1	0.2	0.2
Partly_Cloudy	95	25	77	LOOSE_SAND	40	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Partly_Cloudy	95	25	77	LOOSE_SAND	50	0.05	0.05	0.05	0.2	0.2	0.2	0.1	0.1	0.1

Table G-34. Maximum Sustainable Speed, Partly Cloudy, 95% Humidity, 30°C (86°F)

Cloud Cover	RH (%)	°C	°F	Terrain Type	Grade (%)		stainab ters/sec	e Speed ond)		stainabl meters/l			stainabl	
							Risk Lev	el		Risk Leve	el	1	Risk Lev	el
						Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_Cloudy	95	30	86	BLACK_TOP	-50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Partly_Cloudy	95	30	86	BLACK_TOP	-40	0.15	0.20	0.35	0.5	0.7	1.3	0.3	0.4	0.8
Partly_Cloudy	95	30	8 6	BLACK_TOP	-30	0.15	0.25	0.40	0.5	0.9	1.4	0.3	0.6	0.9
Partly_Cloudy	95	30	86	BLACK_TOP	-20	0.25	0.35	0.50	0.9	1.3	1.8	0.6	0.8	1.1
Partiy_Cloudy	95	30	8 6	BLACK_TOP	-15	0.30	0.40	0.60	1.1	1.4	2.2	0.7	0.9	1.3
Partly_Cloudy	95	30	86	BLACK_TOP	-10	0.35	0.45	0.65	1.3	1.6	2.3	0.8	1.0	1.5
Partly_Cloudy	95	30	86	BLACK_TOP	-5	0.45	0.55	0.75	1.6	2.0	2.7	1.0	1.2	1.7
Partly_Cloudy	95	30	86	BLACK_TOP	0	0.55	0.65	0.85	2.0	2.3	3.1	1.2	1.5	1.9
Partly_Cloudy	95	30	86	BLACK_TOP	5	0.20	0.30	0.45	0.7	1.1	1.6	0.4	0.7	1.0
Partly_Cloudy	95	30	86	BLACK_TOP	10	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Partly_Cloudy	95	30	86	BLACK_TOP	15	0.05	0.10	0.20	0.2	0.4	0.7	0.1	0.2	0.4
Partly_Cloudy	95	30	86	BLACK_TOP	20	0.05	0.05	0.15	0.2	0.2	0.5	0.1	0.1	0.3
Partly_Cloudy	95	30	86	BLACK_TOP	30	0.00	0.05	0.10	0.0	0.2	0.4	0.0	0.1	0.2
Partly_Cloudy	95	30	86	BLACK_TOP	40	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	95	30	86	BLACK_TOP	50	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partiy_Cloudy	95	30	86	DIRT_ROAD	-50	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Partly_Cloudy	95	30	86	DIRT_ROAD	-40	0.10	0.15	0.30	0.4	0.5	1.1	0.2	0.3	0.7
Partly_Cloudy	95	30	86	DIRT_ROAD	-30	0.15	0.20	0.35	0.5	0.7	1.3	0.3	0.4	0.8
Partly_Cloudy	95	30	86	DIRT_ROAD	-20	0.20	0.30	0.50	0.7	1.1	1.8	0.4	0.7	1.1
Partly_Cloudy	95	30	86	DIRT_ROAD	-15	0.25	0.35	0.55	0.9	1.3	2.0	0.6	8.0	1.2
Partly_Cloudy	95	30	86	DIRT_ROAD	-10	0.35	0.40	0.60	1.3	1.4	2.2	0.8	0.9	1.3
Partly_Cloudy	95	30	86	DIRT_ROAD	-5	0.40	0.50	0.70	1.4	1.8	2.5	0.9	1.1	1.6
Partly_Cloudy	95	30	86	DIRT_ROAD	0	0.50	0.60	0.80	1.8	2.2	2.9	1.1	1.3	1.8
Partly_Cloudy	95	30	8 6	DIRT_ROAD	5	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Partly_Cloudy	95	30	8 6	DIRT_ROAD	10	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Partly_Cloudy	95	30	86	DIRT_ROAD	15	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Partly_Cloudy	95	30	86	DIRT_ROAD	20	0.05	0.05	0.10	0.2	0.2	0.4	0.1	0.1	0.2
Partly_Cloudy	95	30	86	DIRT_ROAD	30	0.00	0.05	0.10	0.0	0.2	0.4	0.0	0.1	0.2
Partly_Cloudy	95	30	86	DIRT_ROAD	40	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	95	30	86	DIRT_ROAD	50	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	95	30	86	LOOSE_SAND	-50	0.05	0.05	0.15	0.2	0.2	0.5	0.1	0.1	0.3
Partly_Cloudy	95	30	86	LOOSE_SAND	-40	0.05	0.10	0.15	0.2	0.4	0.5	0.1	0.2	0.3
Partly_Cloudy	95	30	86	LOOSE_SAND	-30	0.10	0.10	0.20	0.4	0.4	0.7	0.2	0.2	0.4
Partly_Cloudy	9 5	30	86	LOOSE_SAND	-20	0.10	0.15	0.30	0.4	0.5	1.1	0.2	0.3	0.7
Partly_Cloudy	95	30	86	LOOSE_SAND	-15	0.15	0.20	0.35	0.5	0.7	1.3	0.3	0.4	0.8
Partly_Cloudy	9 5	30	86	LOOSE_SAND	-10	0.20	0.25	0.40	0.7	0.9	1.4	0.4	0.6	0.9
Partly_Cloudy	95	30	86	LOOSE_SAND	-5	0.25	0.35	0.50	0.9	1.3	1.8	0.6	8.0	1.1
Partly_Cloudy	95	30	86	LOOSE_SAND	0	0.35	0.45	0.60	1.3	1.6	2.2	8.0	1.0	1.3
Partly_Cloudy	95	30	86	LOOSE_SAND	5	0.10	0.15	0.25	0.4	0.5	0.9	0.2	0.3	0.6
Partly_Cloudy	95	30	86	LOOSE_SAND	10	0.05	0.05	0.15	0.2	0.2	0.5	0.1	0.1	0.3
Partly_Cloudy	9 5	30	86	LOOSE_SAND	15	0.00	0.05	0.10	0.0	0.2	0.4	0.0	0.1	0.2
Partly_Cloudy	95	30	86	LOOSE_SAND	20	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	95	30	86	LOOSE_SAND	30	0.00	0.00	0.05	0.0	0.0	0.2	0.0	0.0	0.1
Partly_Cloudy	95	30	86	LOOSE_SAND	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_Cloudy	95	30	86	LOOSE_SAND	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0

Table G-35. Maximum Sustainable Speed, Partly Cloudy, 95% Humidity, 35°C (95°F)

Clo		RH (%)	°C	°F	Terrain Type	Grade (%)		stainabl ters/sec	e Speed ond)		stainable meters/l		(n	stainabi niles/hou	ır)
1								Risk Lev	el	F	Risk Leve	əl	F	Risk Leve	el
							Low	Mod	High	Low	Mod	High	Low	Mod	High
Partly_0	-	95	35	95	BLACK_TOP	-50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_0	Cloudy	95	35	95	BLACK_TOP	-4 0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_0	_	95	35	95	BLACK_TOP	-30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_0	•	95	35	95	BLACK_TOP	-20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partiy_0		95	35	9 5	BLACK_TOP	-15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partiy_0		95	3 5	95	BLACK_TOP	-10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partiy_0	-	95	3 5	95	BLACK_TOP	-5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_0	-	95	3 5	95	BLACK_TOP	0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partiy_0	-	95	35	95	BLACK_TOP	5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_(•	95	3 5	95	BLACK_TOP	10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partiy_0	-	95	3 5	9 5	BLACK_TOP	15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_0	•	9 5	35	95	BLACK_TOP	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_0		95	35	95	BLACK_TOP	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partiy_0	•	95	35	95	BLACK_TOP	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C		95	35	95	BLACK_TOP	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C		95	35	95	DIRT_ROAD	-50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	-	95	35	95	DIRT_ROAD	-40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	_	95	35	95	DIRT_ROAD	-30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C		95	35	95	DIRT_ROAD	-20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	-	95	35	95	DIRT_ROAD	-15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partiy_C		95	35	95	DIRT_ROAD	-10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partiy_C	-	95	35	95	DIRT_ROAD	-5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C		95	35	95	DIRT_ROAD	0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	-	95	35	95	DIRT_ROAD	5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	-	95	35	95	DIRT_ROAD	10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C		95	35	95	DIRT_ROAD	15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C		9 5	35	95	DIRT_ROAD	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C		9 5	35	95	DIRT_ROAD DIRT_ROAD	30 40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C Partly_C	-	95 95	35 35	95 95	DIRT_ROAD	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	-	95 95	35	95	LOOSE_SAND	-50	0.00	0.00	0.00	0.0	0.0 0.0	0.0	0.0 0.0	0.0 0.0	0.0 0.0
Partly_C	-	95 95	35	95	LOOSE_SAND	-40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partiy_C	_	95	35	95	LOOSE_SAND	-30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	-	95	35	95	LOOSE_SAND	-20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C		95	35	95	LOOSE_SAND	-15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	_	95	35	95	LOOSE_SAND	-10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	-	95	35	95	LOOSE_SAND	-5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	•	95	35	95	LOOSE_SAND	0	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	_	95	35	95	LOOSE_SAND	5	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	-	95	35	95	LOOSE_SAND	10	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partiy_C	_	95	35	95	LOOSE_SAND	15	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	-	95	35	95	LOOSE_SAND	20	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	_	95	35	95	LOOSE_SAND	30	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	_	95	35	95	LOOSE_SAND	40	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
Partly_C	-	95	35	95	LOOSE_SAND	50	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0

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